



# Top Dry

## Parts Manual

PNEG-1649

Date: 12-01-09

GSI GROUP



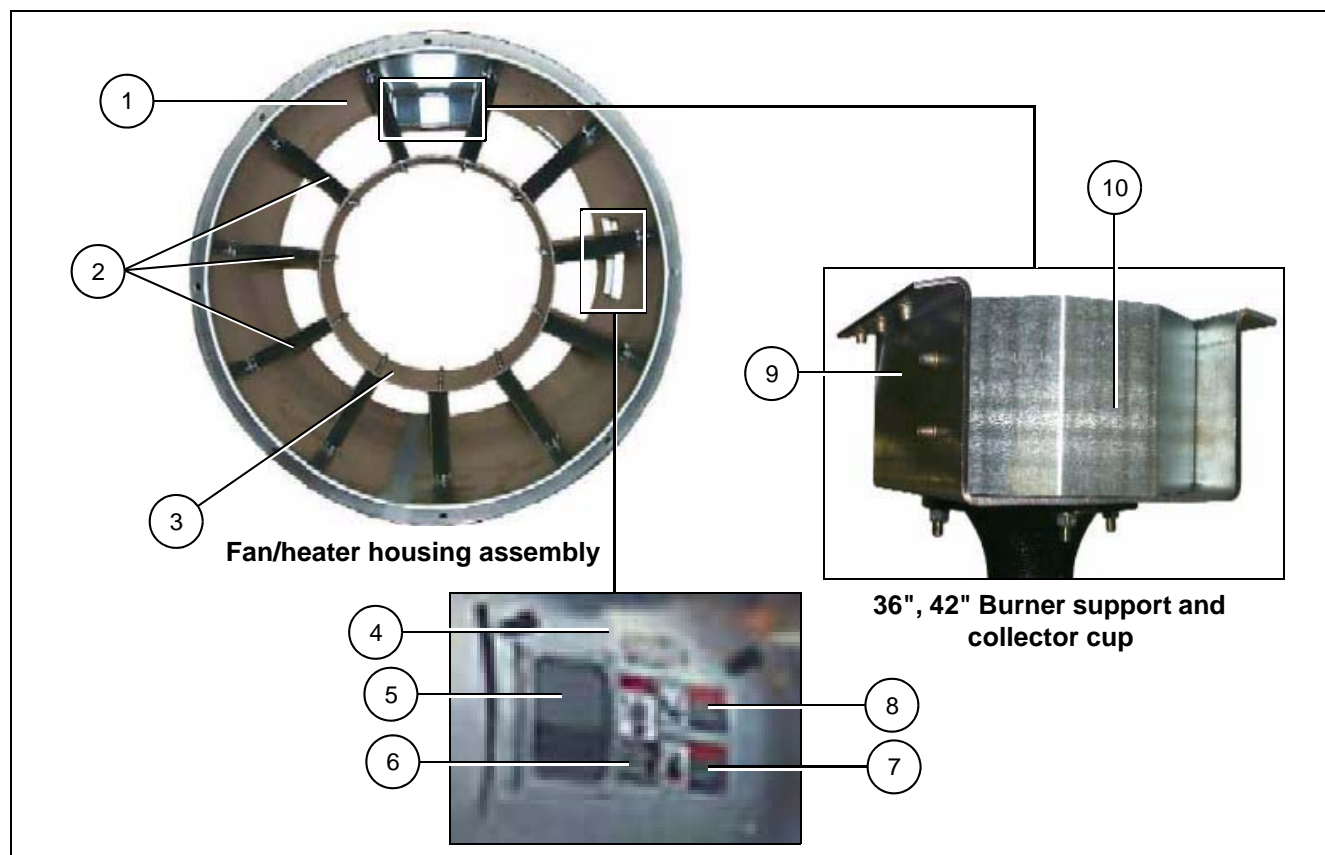
PNEG-1649



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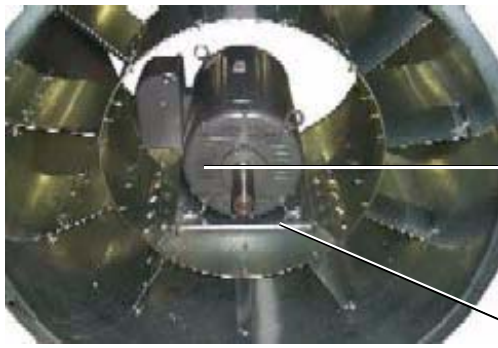
## Fan/Heater Housing Assembly



### Fan/Heater Housing Assembly Parts List

Ref #	Part #	Description	Qty		
			3615	4015	4230-40
1	TF-1722	Wrapper 36" Fan/Heater	1		
1	TF-1724	Wrapper 40" Fan/Heater		1	
1	TF-1723	Wrapper 42" Fan/Heater			1
2	D01-1452	Straightening Vane, 36"-42" Fan/Heater	11	11	11
3	D01-1480	Inner Can, 36" Fan/Heater	1		
3	D01-1479	Inner Can, 40" Fan/Heater		1	
3	D01-1451	Inner Can, 42" Fan/Heater			1
4	HF-6062	Heater Access Panel	1	1	1
5	HF-7380	Window Access 0.060 x 6 x 6 Plastic	1	1	1
6	DC-1224	Decal, Danger High Voltage	1	1	1
7	DC-1225	Decal, Warning Rotating Blade	1	1	1
8	DC-1227	Decal, Warning Fire	1	1	1
9	D01-1484	Collector Cup, 36" Fan/Heater	1		
9	D01-1485	Collector Cup, 40" Fan/Heater		1	
9	TF-1217	Collector Cup, 42" Fan/Heater			1
10	D01-1482	Support Bracket, 36" Fan/Heater	1		
10	D01-1483	Support Bracket, 40" Fan/Heater		1	
10	TF-1216	Support Bracket, 42" Fan/Heater			1

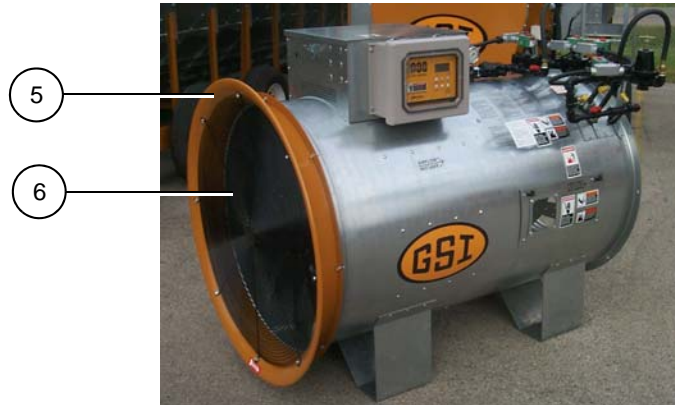
## Fan Motor, Motor Mount and Fan Blade



Fan motor and motor mount



Fan blade and bushing

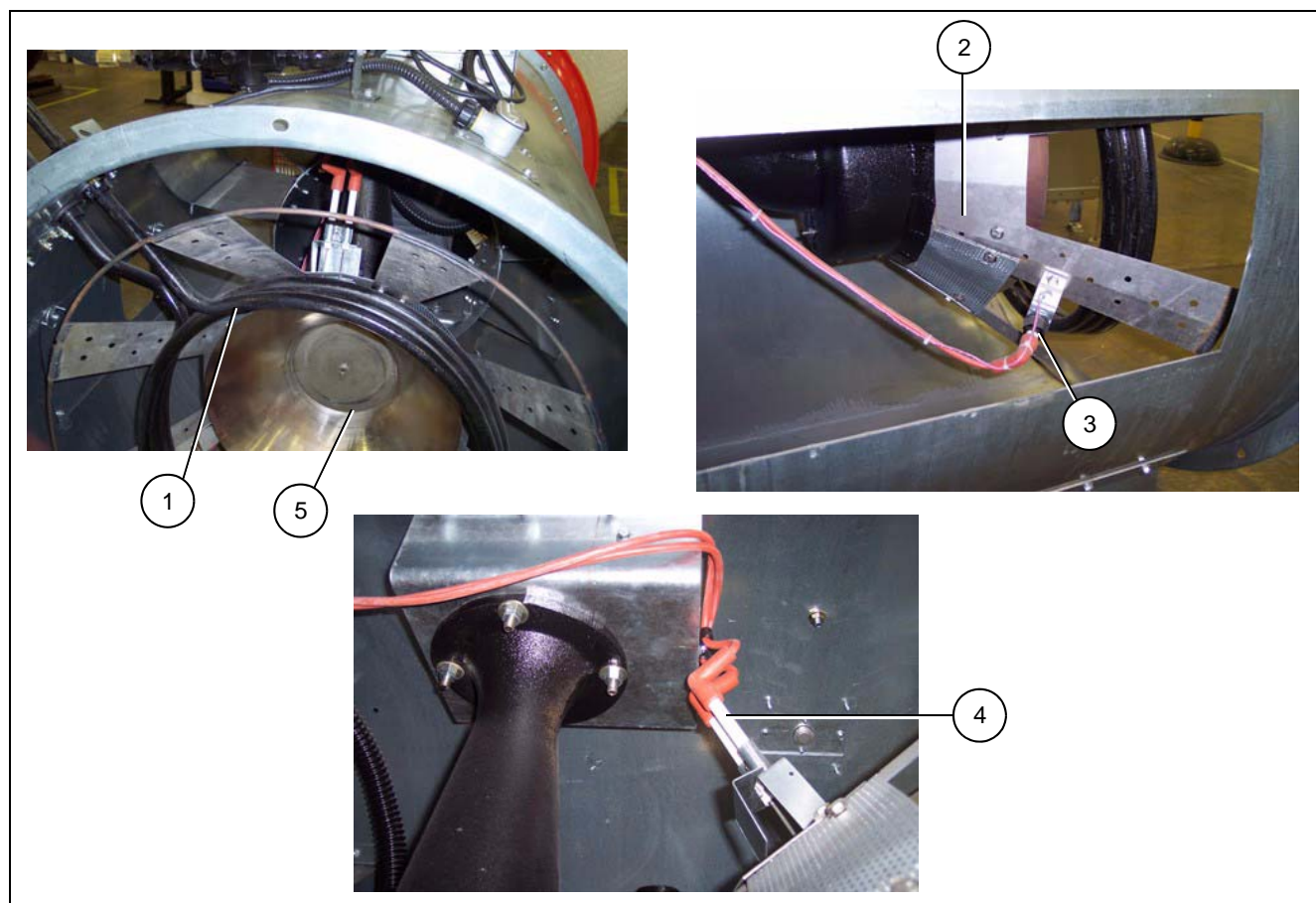


### Fan Motor, Motor Mount and Fan Blade Parts List

Fan/Heater Diameter HP	Ref #	Part #			Description
		220V 1 PH	230V 3 PH	460V 3 PH	
36" 15 HP	1	D01-1478	D01-1478	D01-1478	Motor Mount
	2	C-7815	CH-1050	CH-1050	Motor
	3	D82-0002	D82-0002	D82-0002	Fan Blade
	4	FH-1009	FH-6963	FH-6963	Bushing
	5	CD-0543-Y	CD-0543-Y	CD-0543-Y	Venturi
	6	CD-0544	CD-0544	CD-0544	Grill Guard
40" 15 HP	1	D01-1481	D01-1481	D01-1481	Motor Mount
	2	C-7815	CH-1050	CH-1050	Motor
	3	D03-0567	D03-0567	D03-0567	Fan Blade
	4	GC03810	GC03810	GC03810	Bushing
	5	CD-0545-Y	CD-0545-Y	CD-0545-Y	Venturi
	6	CD-0547	CD-0547	CD-0547	Grill Guard
42" 30 HP	1	N/A	D01-1474	D01-1474	Motor Mount
	2	N/A	TFH-2011	TFH-2011	Motor
	3	N/A	D01-0472	D01-0472	Fan Blade
	4	N/A	CE-00617	CE-00617	Bushing
	5	CD-0545-Y	CD-0545-Y	CD-0545-Y	Venturi
	6	CD-0547	CD-0547	CD-0547	Grill Guard
42" 40 HP	1	N/A	D01-1475	D01-1475	Motor Mount
	2	N/A	CH-6848	CH-6848	Motor
	3	N/A	D01-0473	D01-0473	Fan Blade
	4	N/A	PT0784	PT0784	Bushing
	5	CD-0545-Y	CD-0545-Y	CD-0545-Y	Venturi
	6	CD-0547	CD-0547	CD-0547	Grill Guard



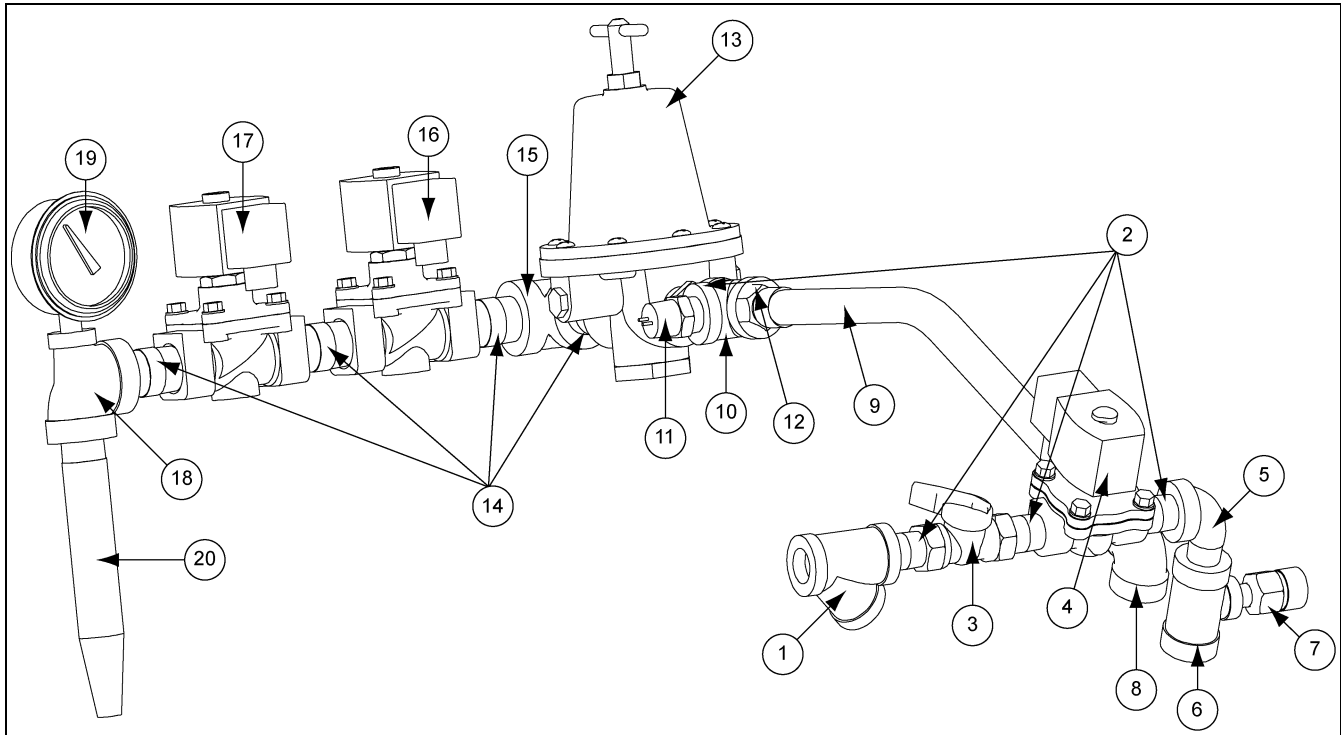
## Fan Burner



### Fan Burner Parts List

Fan/Heater Diameter HP	Ref #	Part #		Description
		LP Units	Natural Gas Units	
36" 15 HP	1	HF-7207	N/A	Vaporizer Coil
	2	THF-3047	THF-3047	Burner Assembly
	3	TF-1559-T	TF-1559-T	Flame Probe and Wire Assembly
	4	TF-1558	TF-1558	Ignitor and Wire Assembly
	5	HH-7056	N/A	Burner Cone
40" 15 HP	1	HF-7183	N/A	Vaporizer Coil
	2	THF-3028	THF-3028	Burner Assembly
	3	TF-1559-T	TF-1559-T	Flame Probe and Wire Assembly
	4	TF-1558	TF-1558	Ignitor and Wire Assembly
	5	HH-7056	N/A	Burner Cone
42" 30 HP	1	HF-7251	N/A	Vaporizer Coil
	2	THF-3028	THF-3028	Burner Assembly
	3	TF-1559-T	TF-1559-T	Flame Probe and Wire Assembly
	4	TF-1558	TF-1558	Ignitor and Wire Assembly
	5	HH-7056	N/A	Burner Cone
42" 40 HP	1	HF-7319	N/A	Vaporizer Coil
	2	THF-3028	THF-3028	Burner Assembly
	3	TF-1559-T	TF-1559-T	Flame Probe and Wire Assembly
	4	TF-1558	TF-1558	Ignitor and Wire Assembly
	5	HH-7056	N/A	Burner Cone

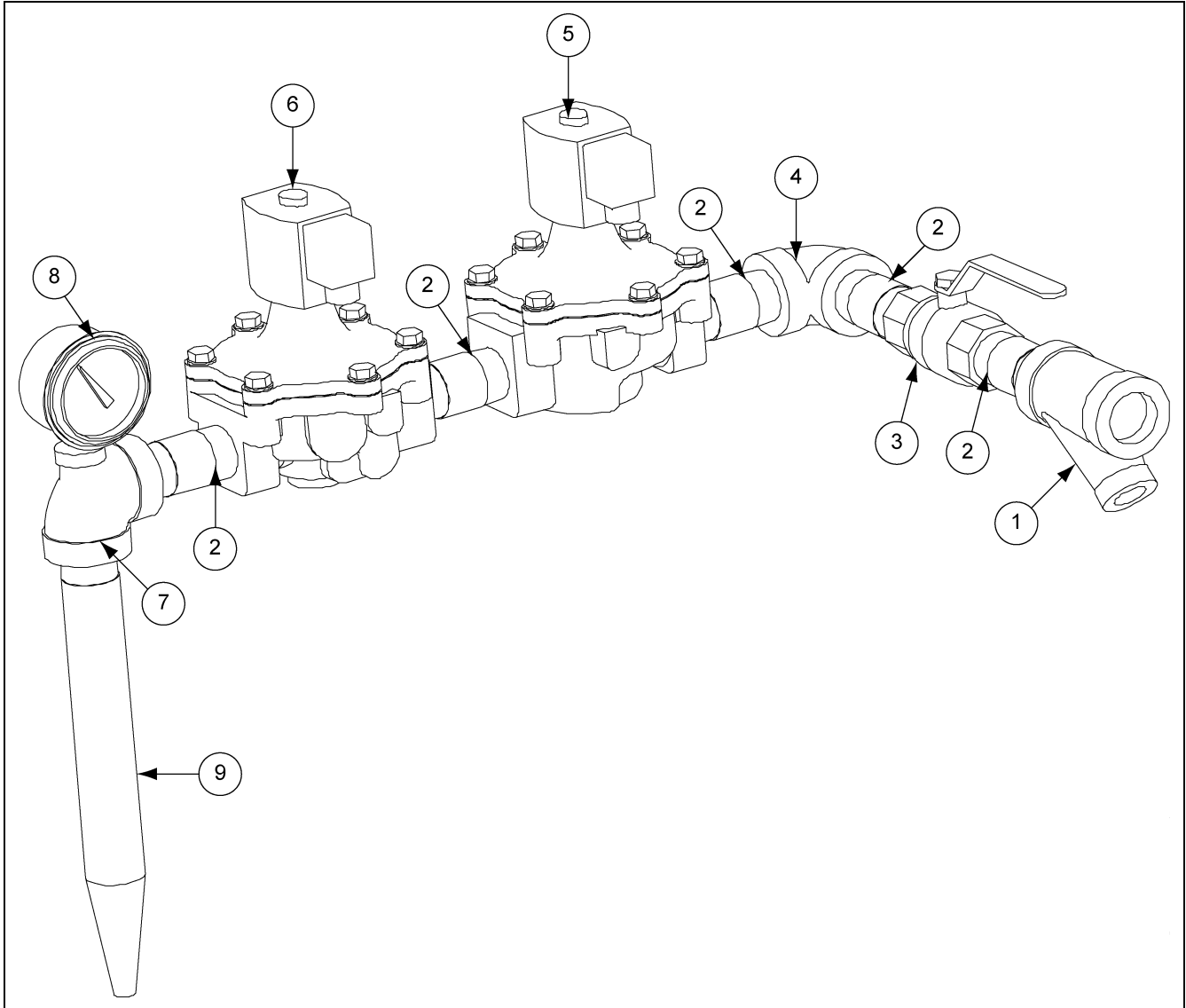
## 36" LP Gas Train (TF-1916)



### 36" LP Gas Train (TF-1916) Parts List

Ref #	Part #	Description	Qty
1	HH-1251	Strainer, 1/2" Y 250# WOG SCH 80	1
2	D07-0019	Nipple, 1/2" x 1-1/2" SCH 80 Black	4
3	TFC-0030	Valve, 1/2" NPT Ball-Bronze	1
4	TFC-0100	Valve, 1/2" NPT Solenoid LP w/ Din	1
5	HH-1082	Elbow, 1/2" - 90° Street SCH 80 Black	1
6	HH-4846	Tee, 1/2" x 1/2" x 1/4" SCH 80 Black	1
7	TFC-0027	Valve, 1/4" NPT 250# Relief	1
8	HH-4847	Elbow, 1/2" - 90° SCH 80 Black	1
9	HF-7509	Hose, 1/2" x 18" LP Gas Assembly	1
10	THH-4058	Tee, 1/2" x 1/2" x 1/2" SCH 80 Black	1
11	HH-7013	Switch Screw-In Vapor High-Limit	1
12	D07-0028	Reducer Bushing 1/2" x 3/4"	1
13	TFC-0020	Regulator, 3/4" (CSA)	1
14	THH-4125	Nipple, 3/4" x 2" SCH 40 Black	4
15	THH-4120	Elbow, 3/4" - 90° SCH 40 Black	1
16	056-2228-7	Solenoid Valve 3/4" NPT 115V Din w/ Bypass	1
17	056-2223-8	Solenoid Valve 3/4" NPT 115V Din	1
18	THH-4158	Tee, 3/4" x 1/4" x 3/4" SCH 40 Black	1
19	HH-2984	Gauge 0-30# Pressure LP	1
20	CD-0150	Orifice Tube 36" 15 HP LP 21/64"	1

## 36" NG Gas Train (TF-1948)

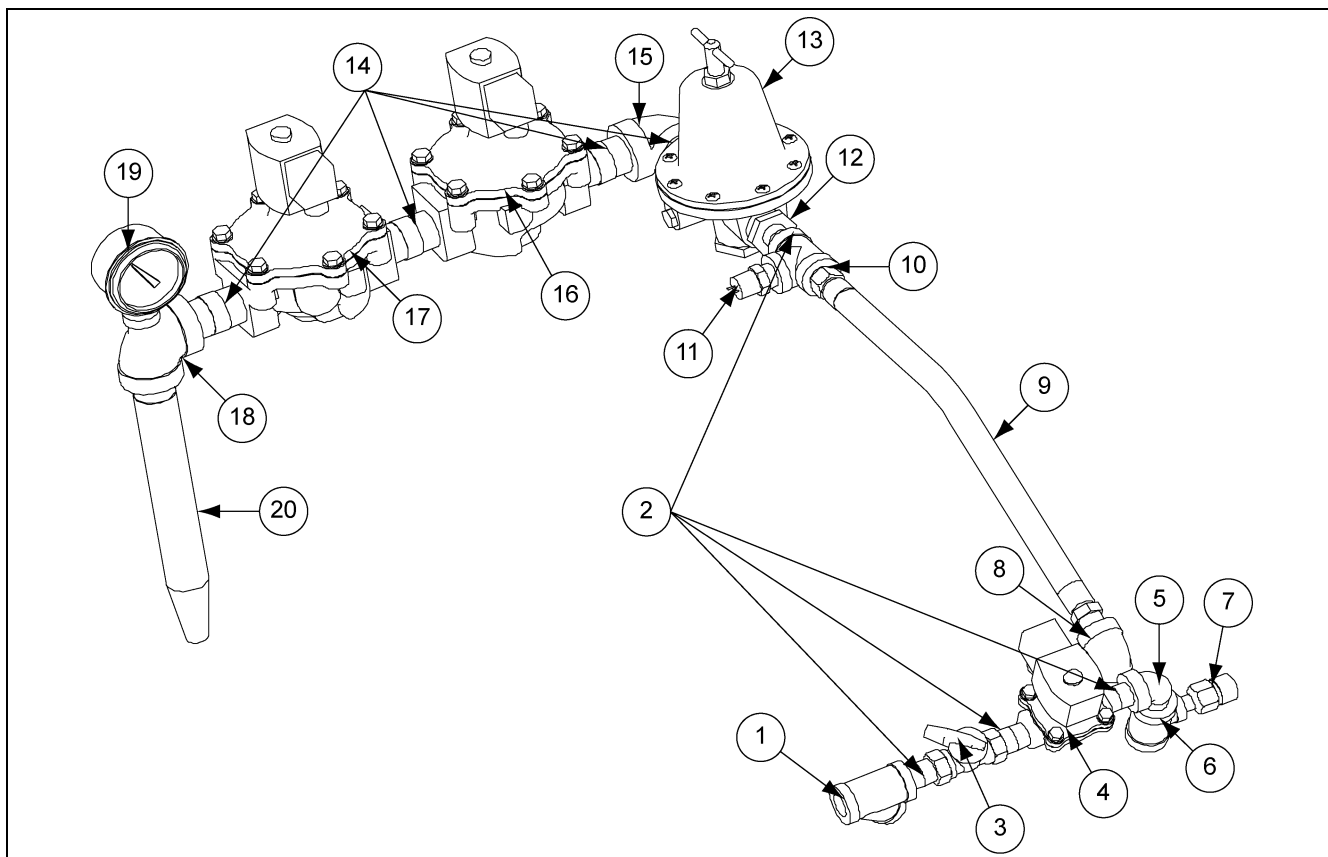


**36" NG Gas Train (TF-1948) Parts List**

Ref #	Part #	Description	Qty
1	TF-1283	Strainer, 1" Y 250# WOG SCH 80 Black	1
2	THH-4151	Nipple, 1" x 3" SCH 40 Black	1
3	TFC-0093	Ball Valve 1" w/ Lever Handle	1
4	THH-4115	Elbow, 1" - 90° SCH 40 Black	1
5	056-2230-3	Solenoid Valve 1" NPT 115V Din	1
6	056-2224-6	Solenoid Valve 1" NPT 115V Din	1
7	THH-4163	Tee, 3/4" x 1/4" x 3/4" SCH 40 Black	1
8	D08-0022	Gauge 0-15# Pressure LP	1
9	THF-3244	Orifice Tube 36" 10-16 HP Natural	1



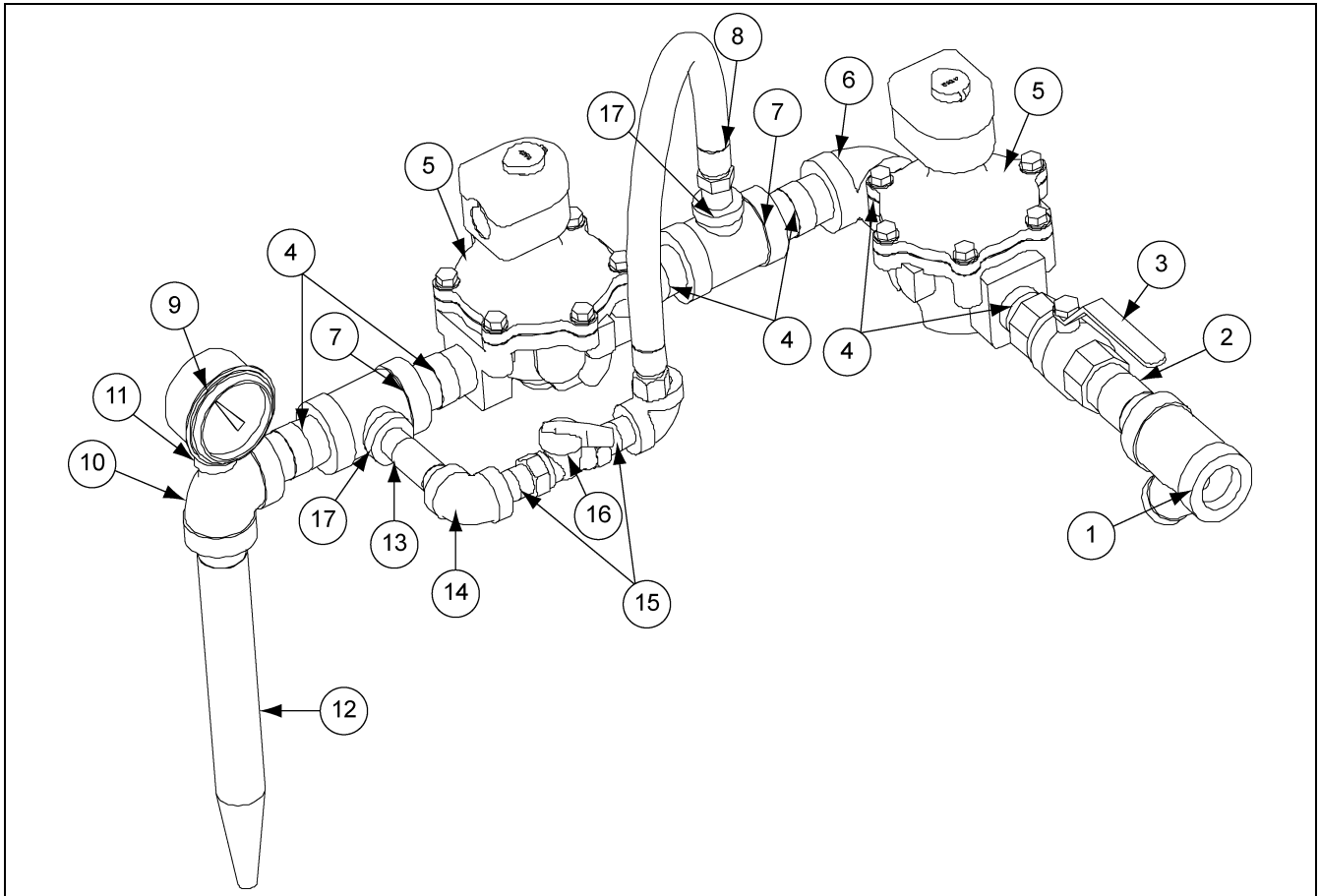
## 40" - 42" LP Gas Train (TF-1915)



**40" - 42" LP Gas Train (TF-1915) Parts List**

Ref #	Part #	Description	Qty
1	HH-1251	Strainer, 1/2" Y 250# WOG SCH 80	1
2	D07-0019	Nipple, 1/2" x 1-1/2" SCH 80 Black	4
3	TFC-0030	Valve, 1/2" NPT Ball-Bronze	1
4	TFC-0100	Valve, 1/2" NPT Solenoid LP w/ Din	1
5	HH-1082	Elbow, 3/4" - 90° Street SCH 40 Black	1
6	HH-4846	Tee, 1/2" x 1/2" x 1/4" SCH 80 Black	1
7	TFC-0027	Valve, 1/4" NPT 250# Relief	1
8	HH-4847	Elbow, 1/2" - 90° SCH 80 Black	1
9	HF-7509	Hose, 1/2" x 18" LP Gas Assembly	1
10	THH-4058	Tee, 1/2" x 1/2" x 1/2" SCH 80 Black	1
11	HH-7013	Switch Screw-In Vapor High-Limit	1
12	THH-4005	Reducer Bushing 1/2" x 1"	1
13	TFC-0021	Regulator, 1" (CSA)	1
14	THH-4037	Nipple, 1" x 3" SCH 40 Black	4
15	THH-4115	Elbow, 1" - 90° SCH 40 Black	1
16	056-2230-3	Solenoid Valve 1" NPT 115V Din	1
17	056-2224-6	Solenoid Valve 1" NPT 115V Din	1
18	THH-4163	Tee, 3/4" x 1/4" x 3/4" SCH 40 Black	1
19	HH-2984	Gauge 0-30# Pressure LP	1
20	THF-3059	Orifice Tube 40" LP	1

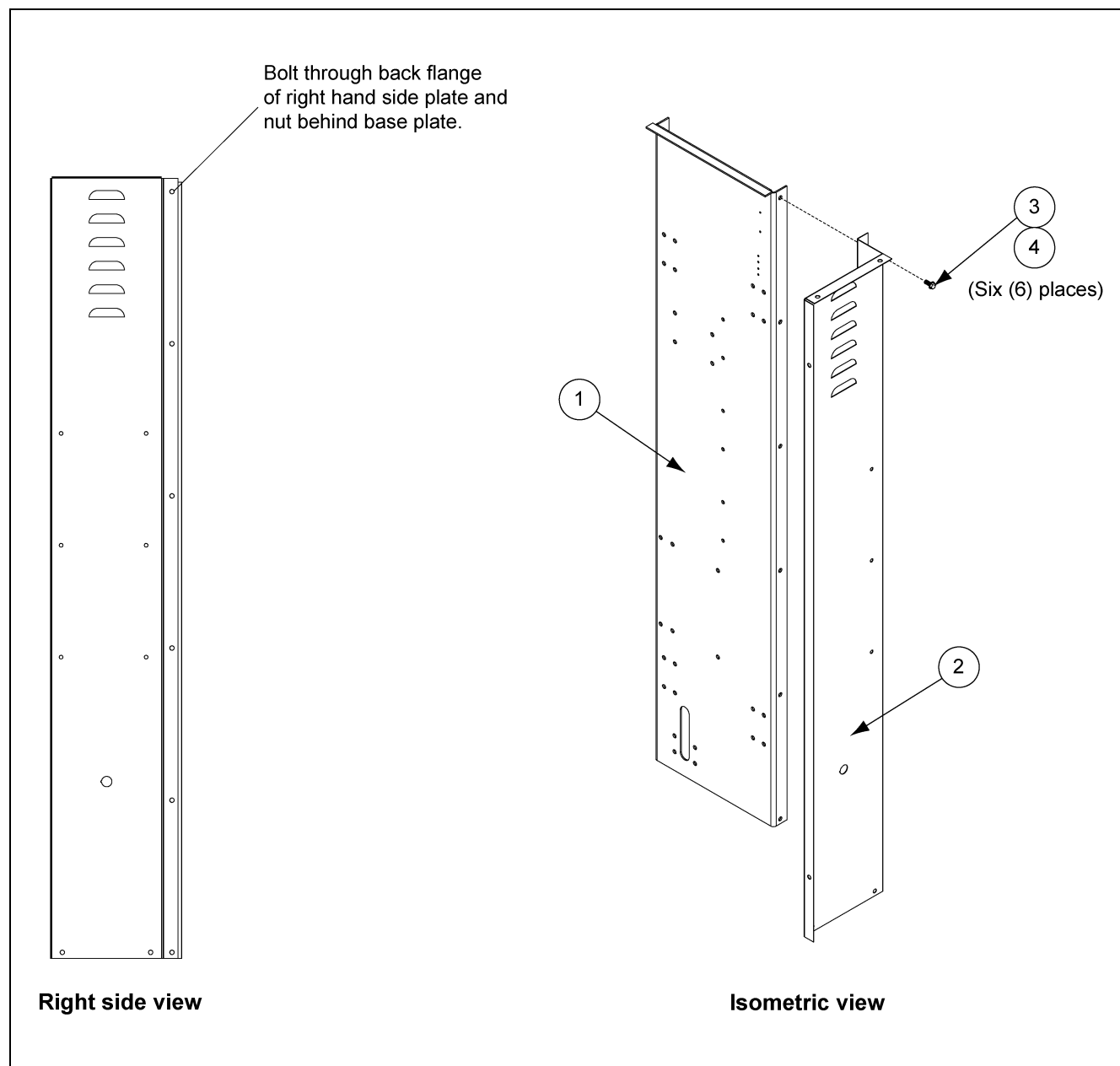
## 40" - 42" NG Gas Train (TF-1537)



**40" - 42" NG Gas Train (TF-1537) Parts List**

Ref #	Part #	Description	Qty
1	D08-0015	Strainer, 1-1/2" Y SCH 80 Black	1
2	D08-0013	Nipple, 1-1/2" x 3" SCH 40 Black	1
3	D08-0008	Valve, 1-1/2" NPT B-Cock Shut Off	1
4	D08-0009	Nipple, 1-1/2" Close SCH 40 Black	6
5	TF-1536	Valve, 1-1/2" NPT Solenoid	2
6	D08-0011	Elbow, 1-1/2" - 90° SCH 40 Black	1
7	D38-0001	Tee, 1-1/2" x 1-1/2" x 1" SCH 40 Black	2
8	HF-7509	Hose, 1/2" x 18" LP Gas Assembly	1
9	D08-0022	Gauge 0-15# Pressure LP	1
10	D03-0445	Tee, 1-1/2" x 1" x 1-1/2" SCH 40 Black	1
11	THH-4001	Reducer, 1" x 1/4" Hex Bushing SCH 40 Black	1
12	THF-3251	Orifice Tube 42" 30 HP Natural Gas	1
13	D07-0023	Nipple, 1/2" x 3" SCH 80 Black	1
14	HH-4847	Elbow, 1/2" - 90° SCH 80 Black	2
15	D07-0019	Nipple, 1/2" x 1-1/2" SCH 80 Black	2
16	TFC-0030	Valve, 1/2" NPT Ball-Bronze	1
17	THH-4005	Reducer, 1" x 1/2" Hex Bushing SCH 40	2

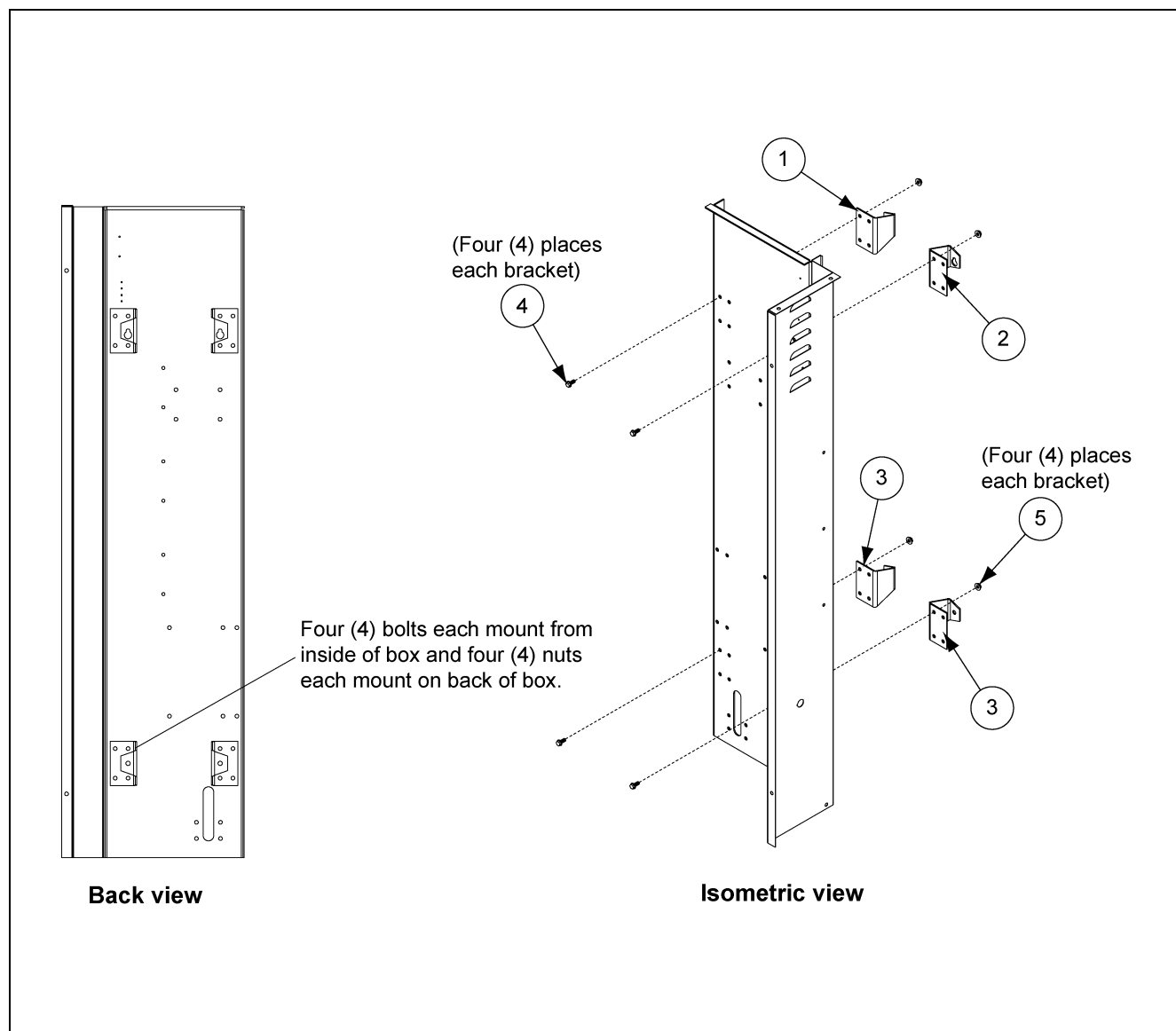
# Actuator Housing



## Actuator Housing Parts List

Ref #	Part #	Description	Qty
1	TAF-6061	Base Plate	1
2	TAF-6074	Right Hand Side Cover	1
3	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	6
4	S-3611	5/16"-18 Flanged Whiz Nut	6

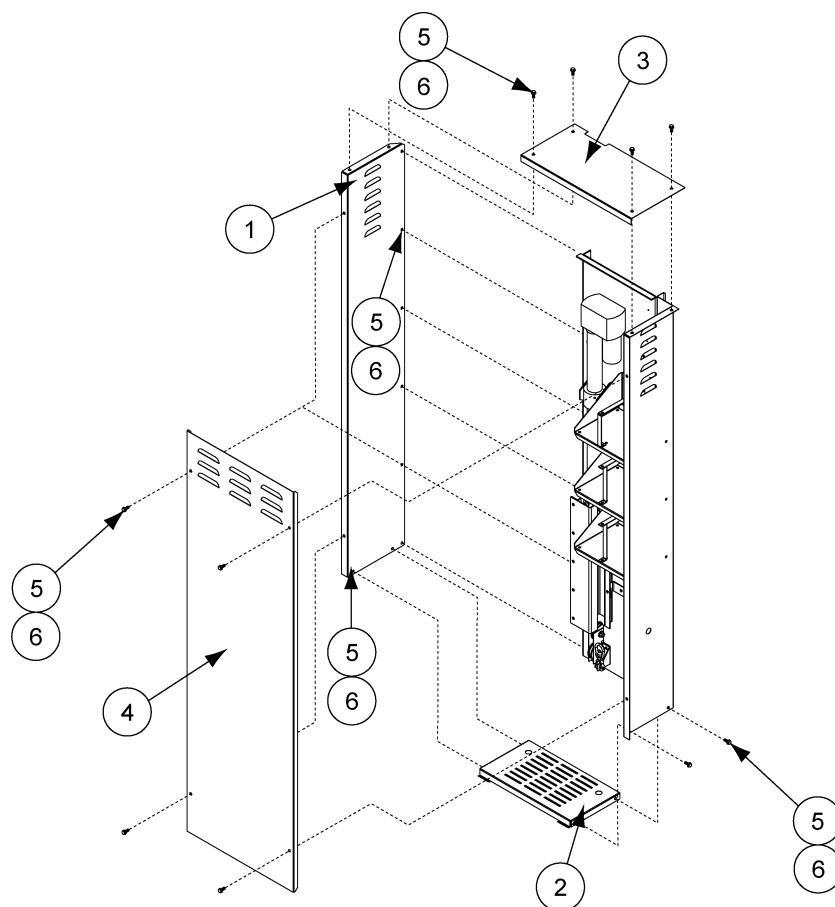
## Actuator Housing (Continued)



### Actuator Housing Parts List

Ref #	Part #	Description	Qty
1	TAF-6160	Top Left Mount Bracket	1
2	TAF-6161	Top Right Mount Bracket	1
3	TAF-6032	Bottom Mount Bracket	2
4	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	16
5	S-3611	5/16"-18 Flanged Whiz Nut	16

## Actuator Housing (Continued)



Isometric view

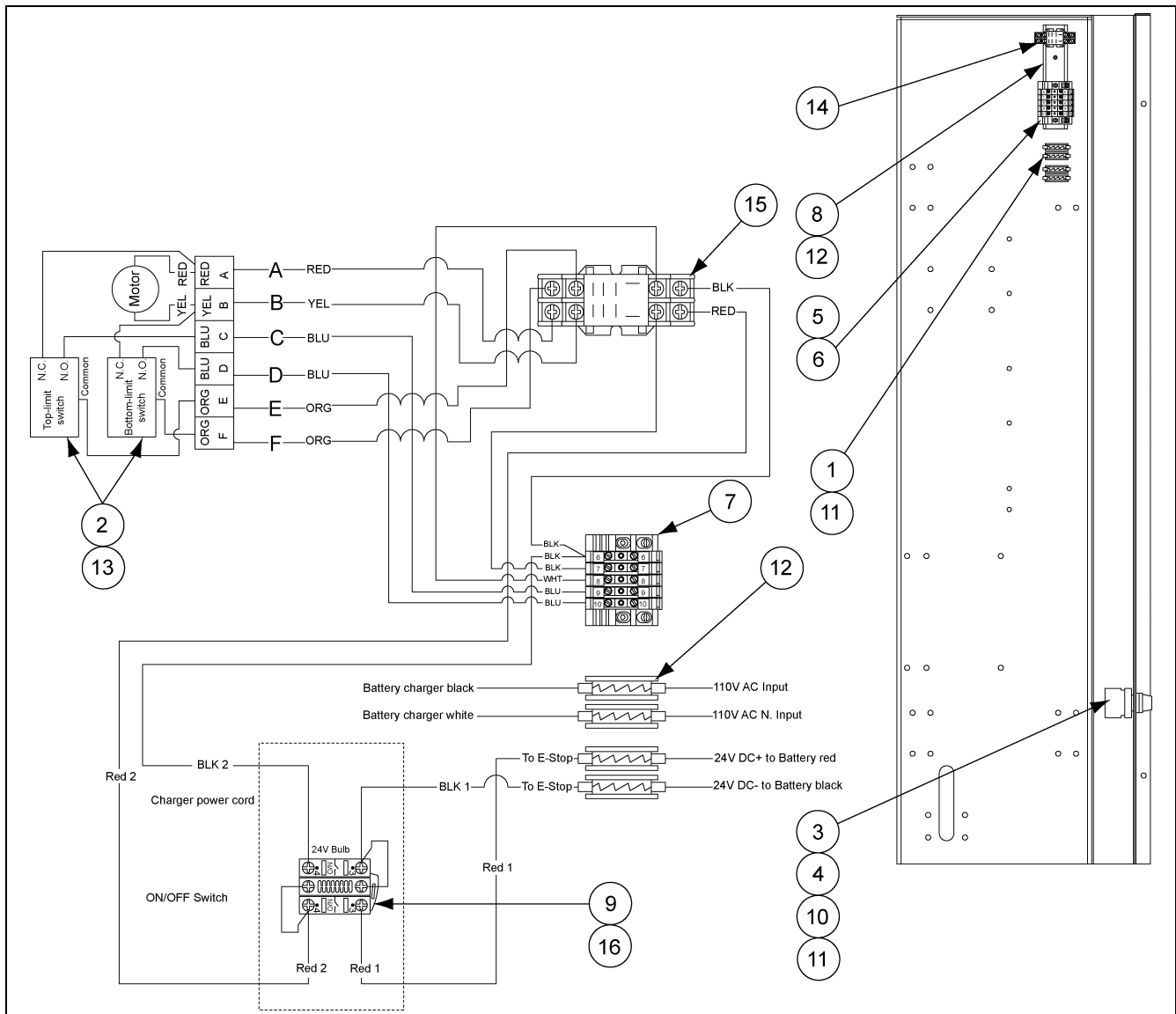
### NOTES:

1. All bolts to be inserted from outside of box, nut toward box.
2. Bolt left hand cover to assembly using five (5) bolts along back edge.
3. Bolt bottom cover to assembly using four (4) bolts, two (2) through right hand cover along bottom edge and two (2) through left hand cover bottom edge.
4. Bolt top cover to assembly using four (4) bolts, two (2) through top to right hand cover and two (2) through top to left hand cover.
5. Bolt front cover to assembly using four (4) bolts, two (2) through right hand cover and two (2) through left hand cover.

### Actuator Housing Parts List

Ref #	Part #	Description	Qty
1	TAF-6075	Left Hand Side Cover	1
2	TAF-6077	Bottom Cover	1
3	TAF-6076	Top Cover	1
4	TAF-6078	Front Cover	1
5	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	17
6	S-3611	5/16"-18 Flanged Whiz Nut	17

## Actuator Electrical

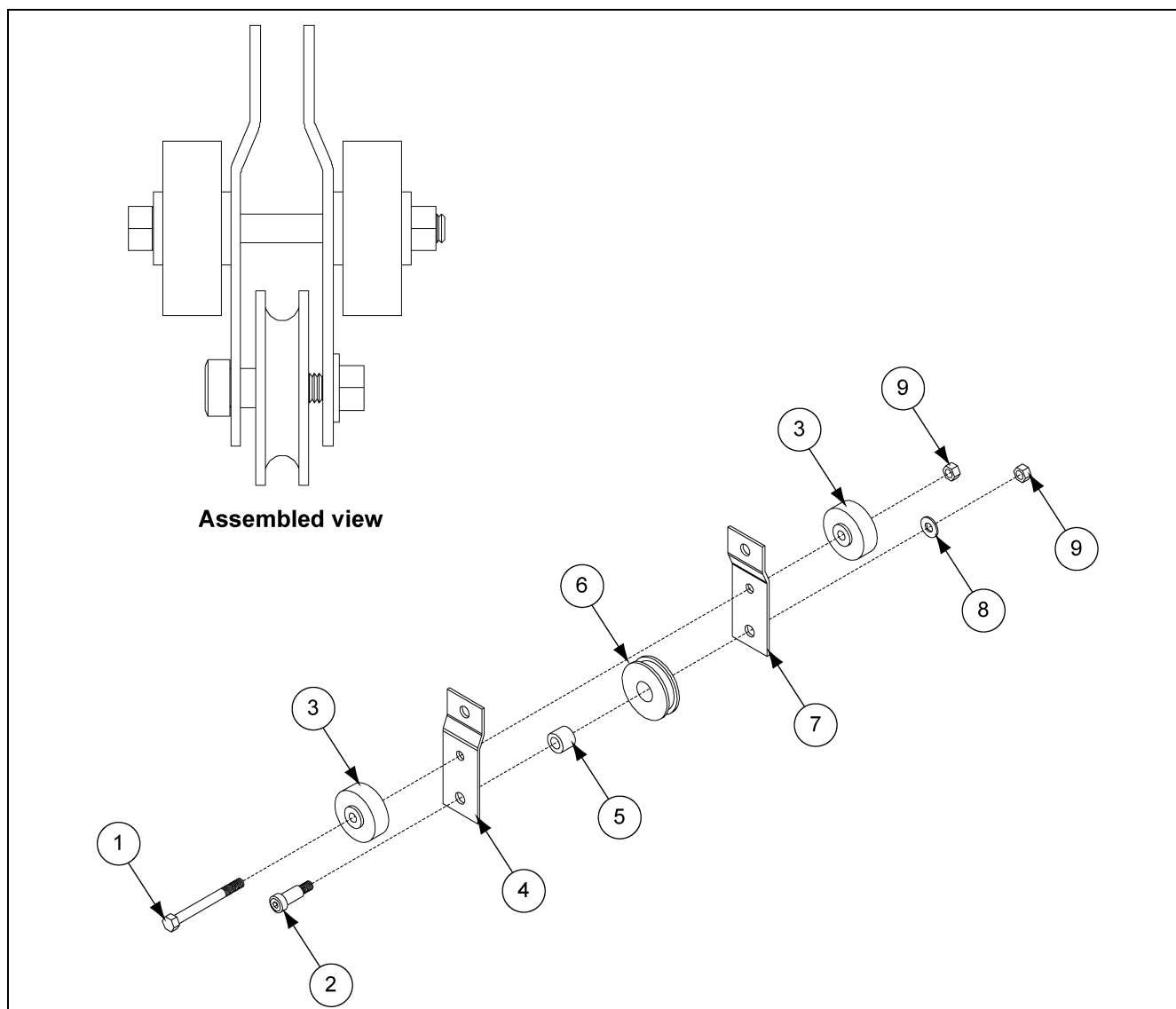


**Actuator Electrical Parts List**

Ref #	Part #	Description	Qty
1	4557	Fuse, 15A 1-1/4" x 1/4" 250 VAC	4
2	70-0133	Connector, 1/4" Fily. Insul. Female	6
3	D01-0455	Lamp, Block Light 12/24/120V GE #090ADV for Use with Selector Switch	1
4	D01-0466	2 Position Switch Green	1
5	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	5
6	D01-0532	Terminal, Blank End Protector Grey Fem 6	1
7	D01-0533	Terminal, Entrelec End Stop	2
8	D03-0013	Din Rail x 6 Long	0.15
9	D63-0006	Block, Contact N.O. G.E. (Use D63-0006AB for Allen-bradley)	2
10	DC-1337	Decal, Actuator 24V Power	1
11	FH-1058	Fuse Block	2
12	S-7416	#8-32 x 1/2" Self-tapping Screw	6
13	TAF-6028	Lamp, 24 Volt	1
14	TD-100300	Idec 2 PDT Relay	1
15	TD-100301	Idec Relay Base	1
16	TFC-0048	Disconnect 1/4 Insul. Female CSA	6



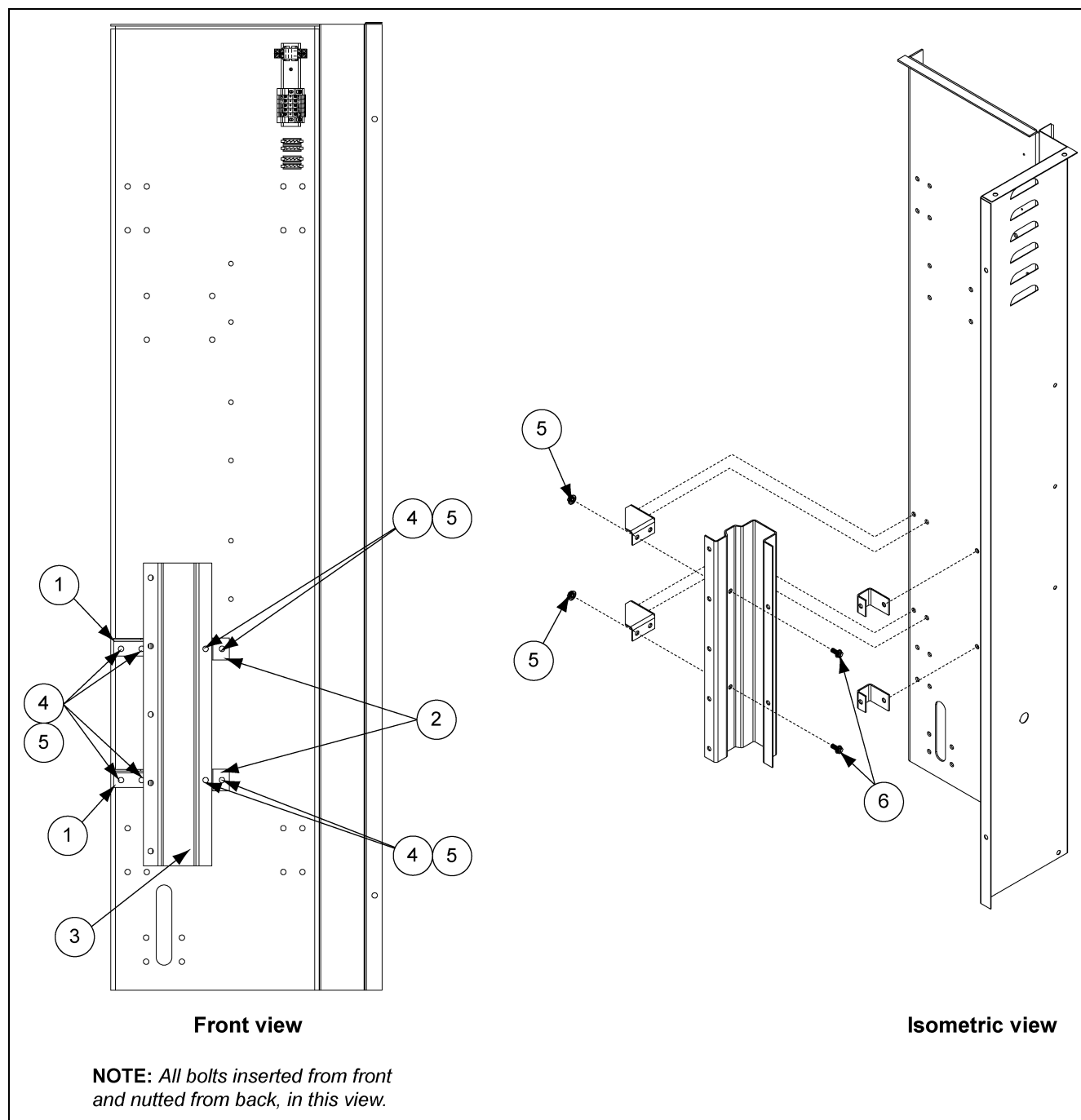
## Actuator Guide Roller and Pulley



**Actuator Guide Roller and Pulley Parts List**

Ref #	Part #	Description	Qty
1	TF-1431	3/8"-16 x 3-3/4" HHCS Grade 2	1
2	S-7501	1/2" Shoulder Bolt w/ 3/8" Thread	1
3	S-6999	Bearing Rack and Pinion Sealed	2
4	TAF-6064	Actuator Rod End Top	1
5	TF-1298	Bushing, Bronze 1/2" I.D. x 7/8" O.D.	1
6	TD-100021	Pulley, 2-1/2" x 0.874" Bore Rope	1
7	TAF-6065	Actuator Rod End Bottom	1
8	S-7409	3/8" SAE Washer	1
9	S-4663	3/8" Deformed Lock Nut	2

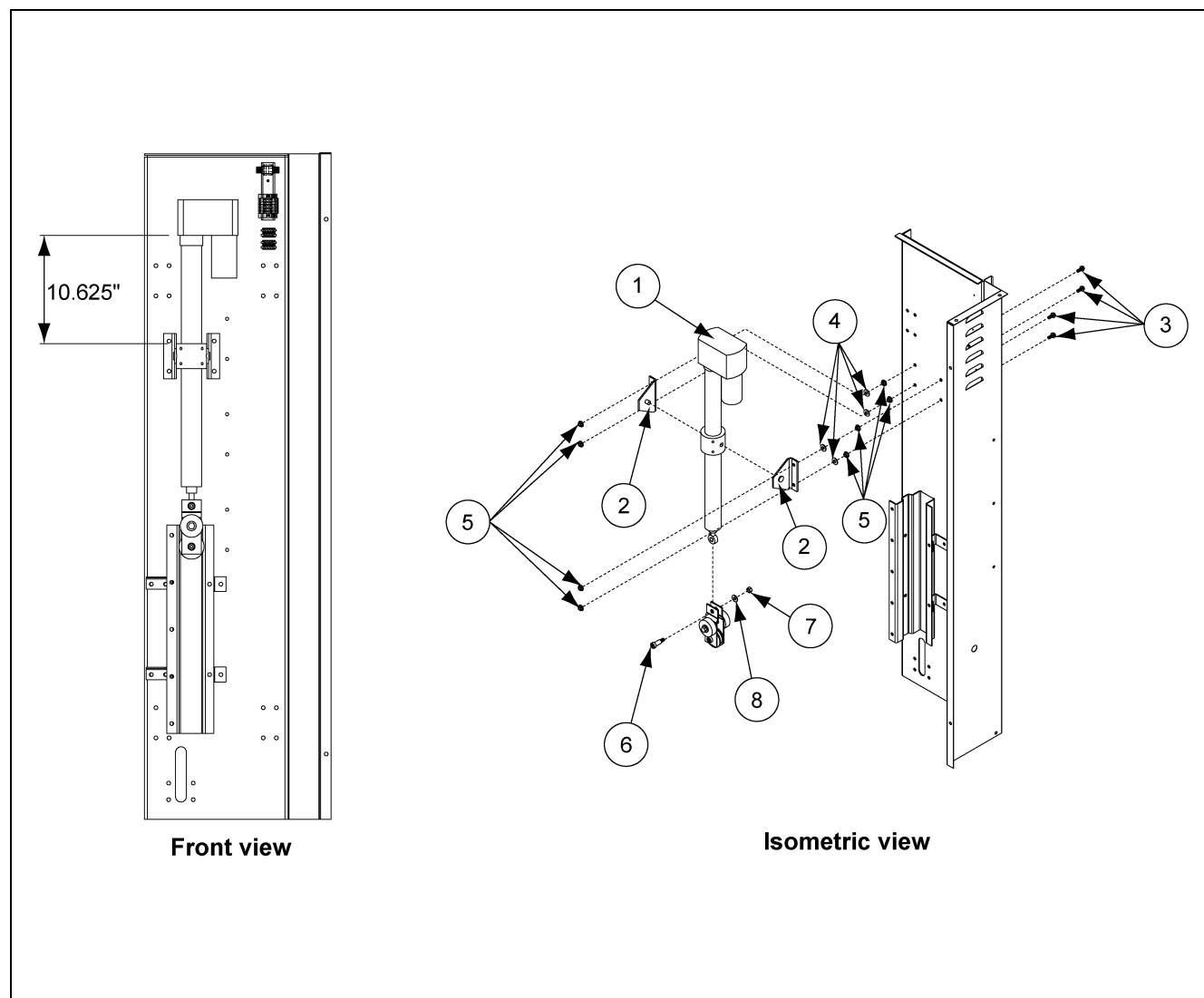
## Actuator Stroke Guide Channel



### Actuator Stroke Guide Channel Parts List

Ref #	Part #	Description	Qty
1	TAF-6038	Angle Bracket for Actuator Guide	2
2	TAF-6039	C-Bracket for Actuator Guide	2
3	TAF-6037L	Actuator Lower Guide	1
4	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	8
5	S-3611	5/16"-18 Flanged Hex Nut	10
6	S-4275	Bolt, HHTB 5/16"-18 x 3/4" ZN Grade 5	2

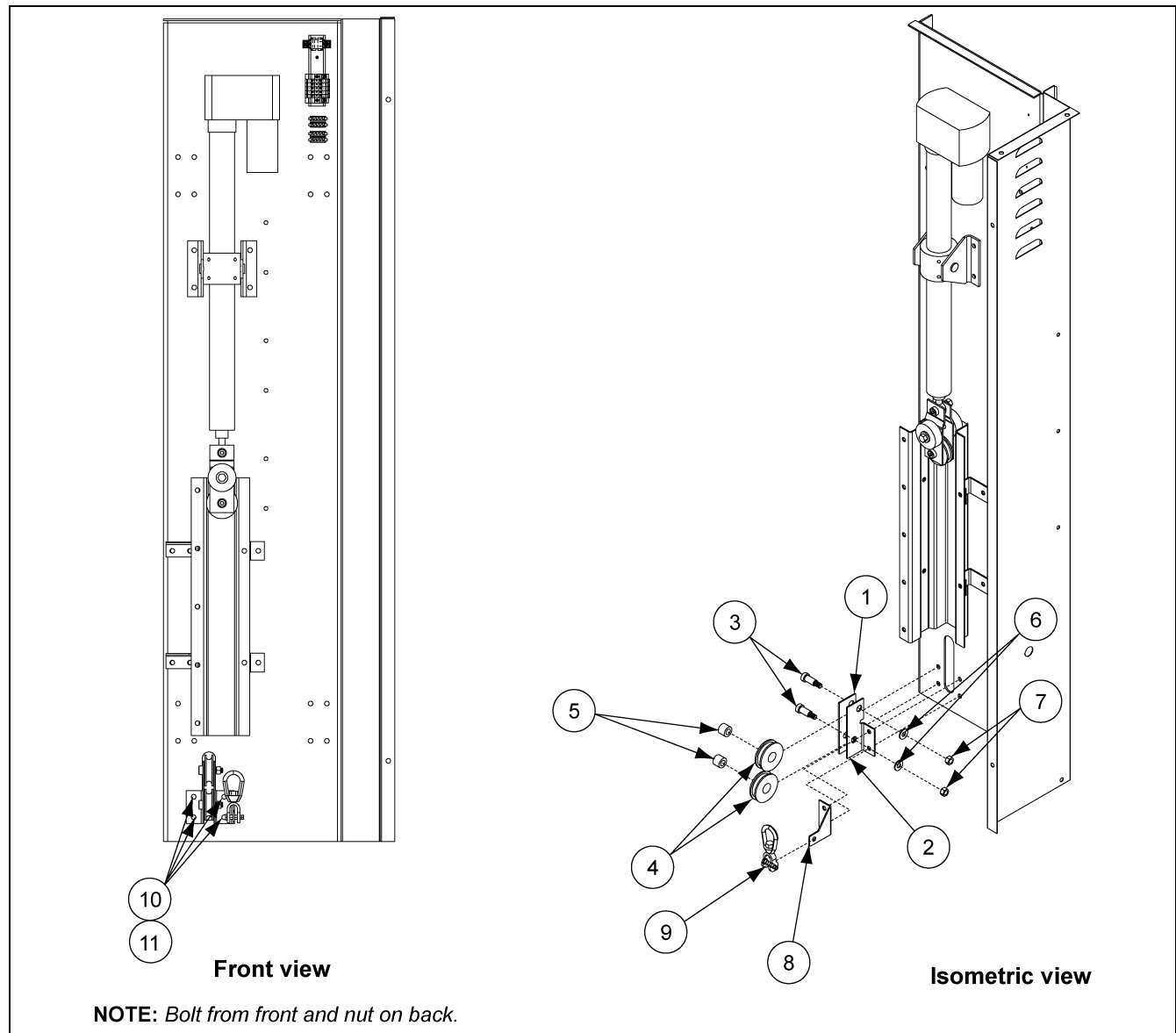
## Actuator and Mount Hardware



### Actuator and Mount Hardware Parts List

Ref #	Part #	Description	Qty
1	TAF-6011	Actuator 18" Stoke Linear 24 Volt	1
2	TAF-6066	Actuator Mounting Bracket	2
3	S-8135	5/16"-18 x 1-1/4" HHW HD	4
4	S-1937	5/16" SAE Washer	4
5	S-3611	5/16"-18 Flanged Whiz Nut	8
6	S-7501	1/2" Shoulder Bolt w/ 3/8" Thread	1
7	S-4663	3/8"-16 Deformed Lock Nut	1
8	S-7409	3/8" SAE Washer	1

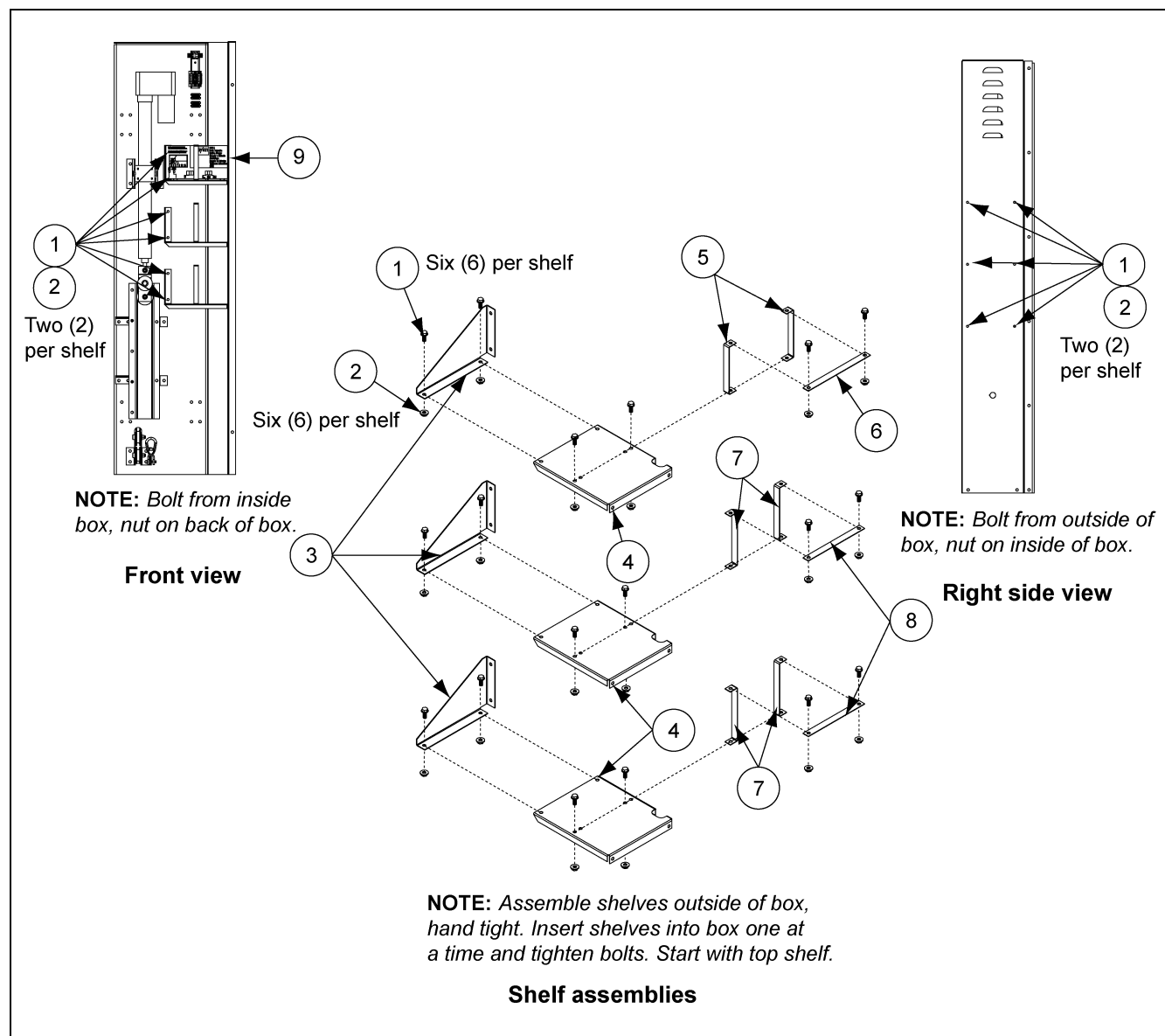
## Actuator Bottom Pulley Assembly



### Actuator Bottom Pulley Assembly Parts List

Ref #	Part #	Description	Qty
1	TAF-6040	Left Hand Pulley Bracket	1
2	TAF-6041	Right Hand Pulley Bracket	1
3	S-7501	1/2" Shoulder Bolt w/ 3/8" Thread	2
4	TD-100021	Pulley, 2-1/2" x 0.874" Bore Rope	2
5	TF-1298	Bushing, Bronze 1/2" I.D. x 7/8" O.D.	2
6	S-7409	3/8" SAE Washer	2
7	S-4663	3/8"-16 Deformed Lock Nut	2
8	TAF-6042	Cable Bracket	1
9	TD-100302	5/16" Jaw Type Forged Steel Swivel	1
10	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	4
11	S-3611	5/16"-18 Flanged Whiz Nut	4

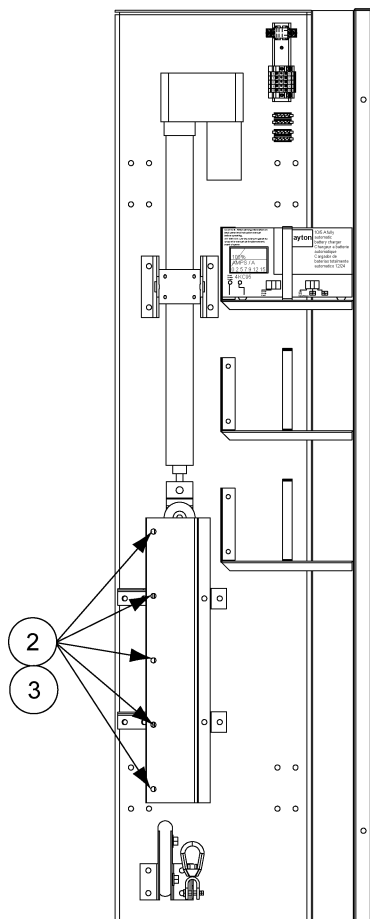
## Actuator Charger and Battery Shelves



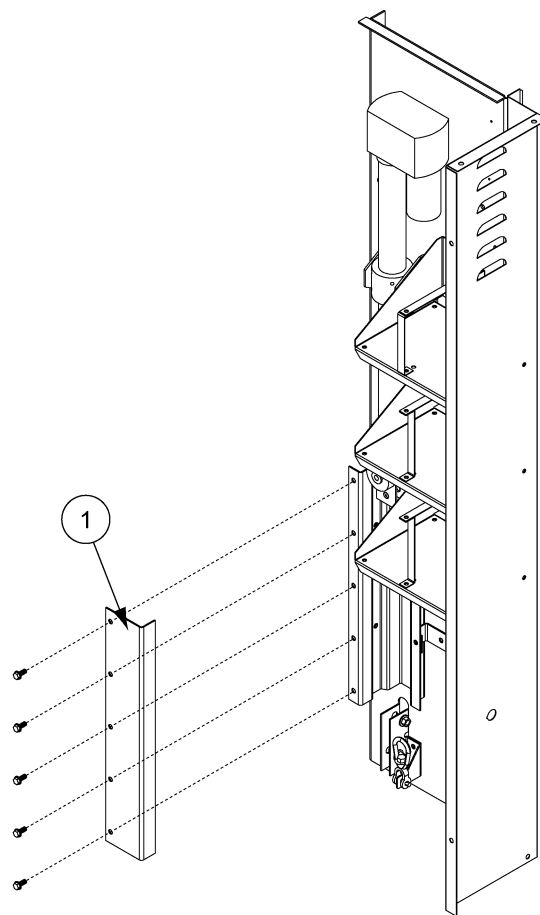
### Actuator Charger and Battery Shelves Parts List

Ref #	Part #	Description	Qty
1	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	30
2	S-3611	5/16"-18 Flanged Whiz Nut	30
3	TAF-6068	Left Hand Shelf Bracket	3
4	TAF-6069	Battery and Charger Shelf	3
5	TAF-6073	Charger Side Strap	2
6	TAF-6072	Charger Top Strap	1
7	TAF-6071	Battery Side Strap	4
8	TAF-6070	Battery Top Strap	2
9	TAF-6016	24 Volt Battery Charger	1

## Actuator Stroke Safety Cover



Front view



Isometric view

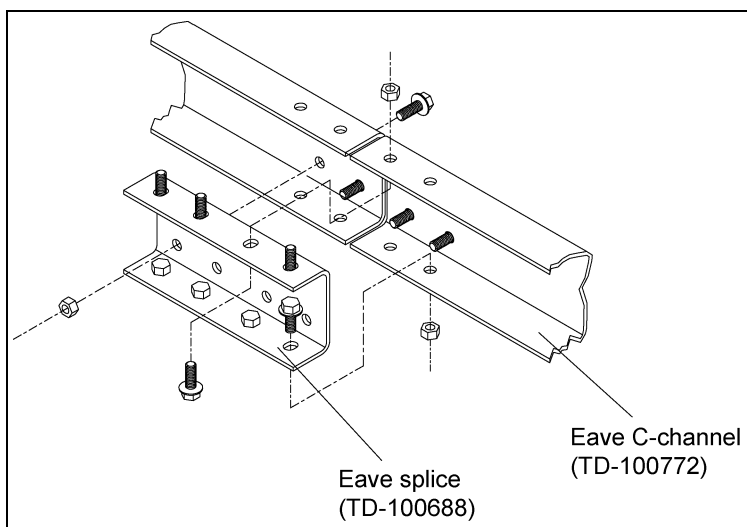
**NOTE:** Bolt from front and nut from back.

### Actuator Stroke Safety Cover Parts List

Ref #	Part #	Description	Qty
1	TAF-6037U	Actuator Upper Guide	1
2	S-6606	5/16"-18 x 3/4" Whiz Bolt Grade 5	5
3	S-3611	5/16"-18 Flanged Whiz Nut	5

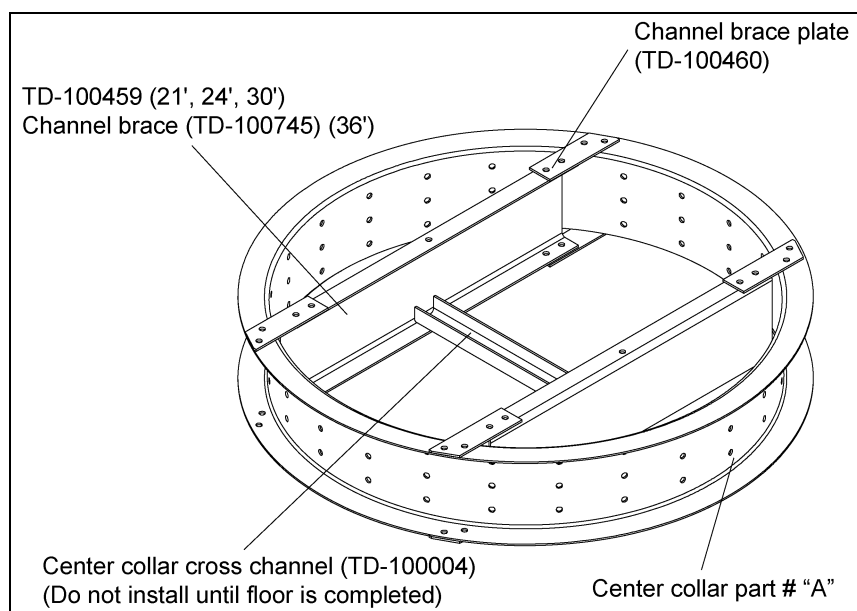


## C-Channel Installation



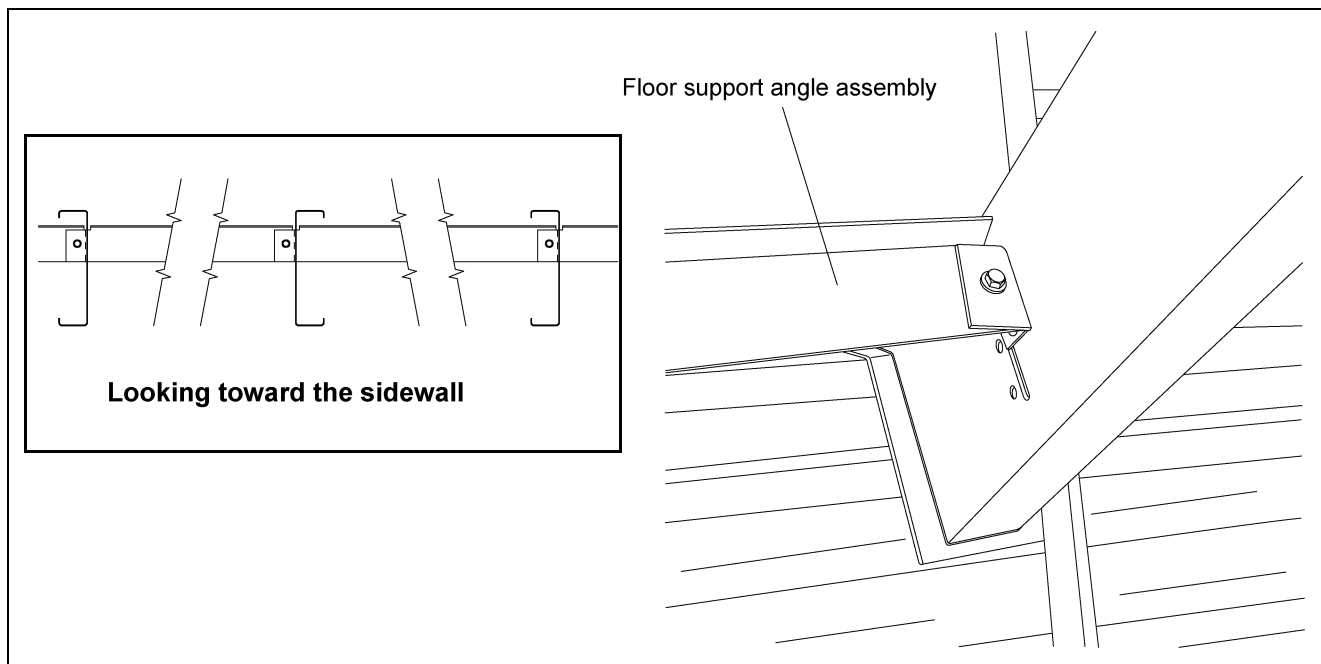
Nominal Diameter of Tank (ft.)	Part # "A"
21'	TD-100772
24'	TD-100678
30'	TD-100643
36'	TD-100731

## Center Collar Assembly



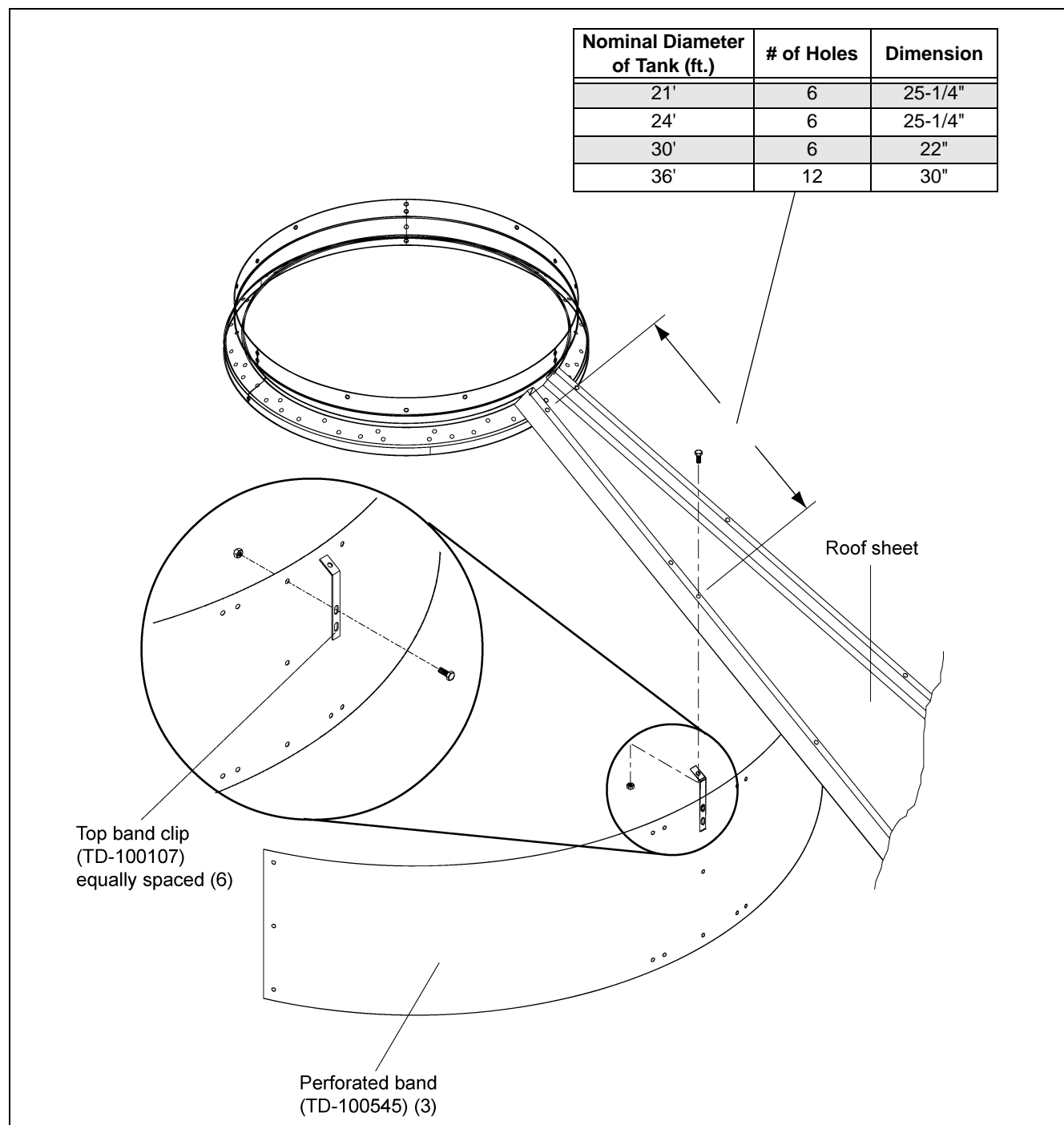
Nominal Diameter of Tank (ft.)	Part # "A"
21'	TD-100631
24'	TD-100632
30'	TD-100634
36'	TD-100730

## Rafter Installation and Floor Support Angle Attachment



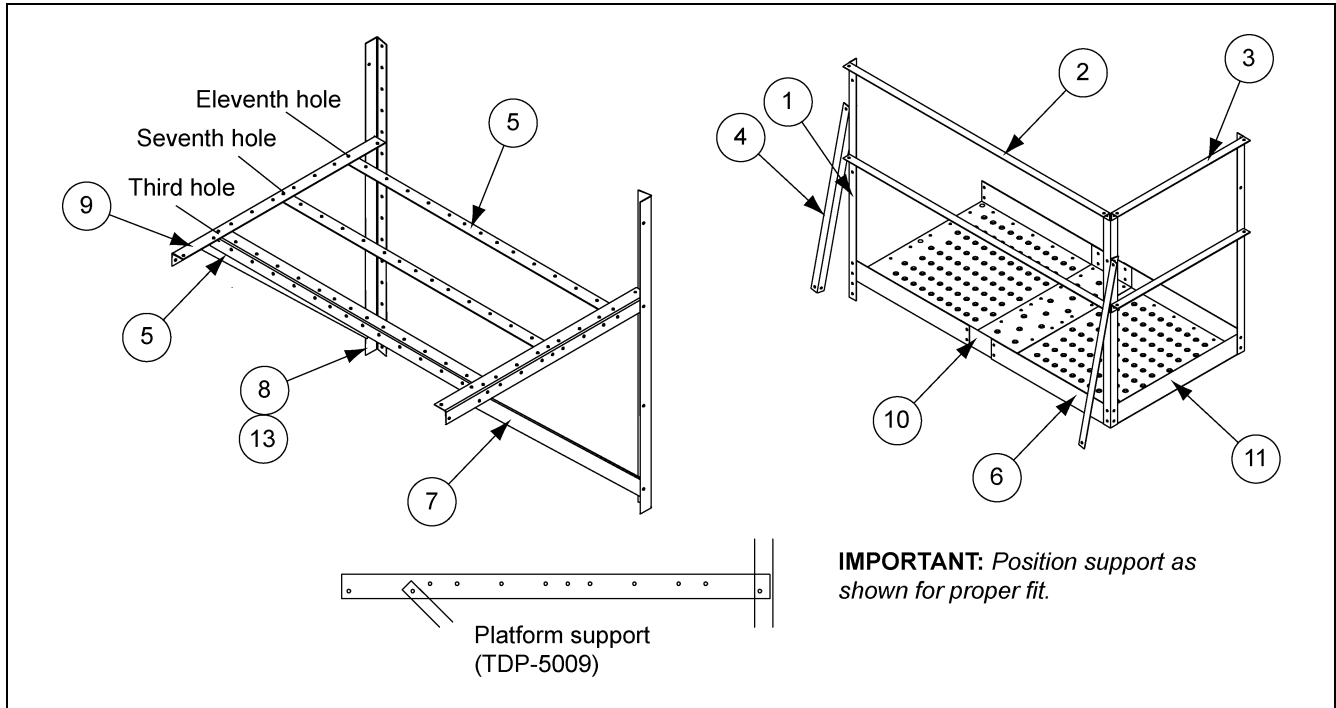
Nominal Diameter of Tank (ft.)	Long Support	Short Support
21'	TD-100777	TD-100778
24'	TD-100720	TD-100721
30'	TD-100650	TD-100651
36'	TD-100740	TD-100741

## Perforated Center Band



Nominal Diameter of Tank (ft.)	Part # "A"	Qty
21'	TD-1SG545	3
24'	TD-1SG545	3
30'	TD-1SG545	3
36'	TD-1SG226	6

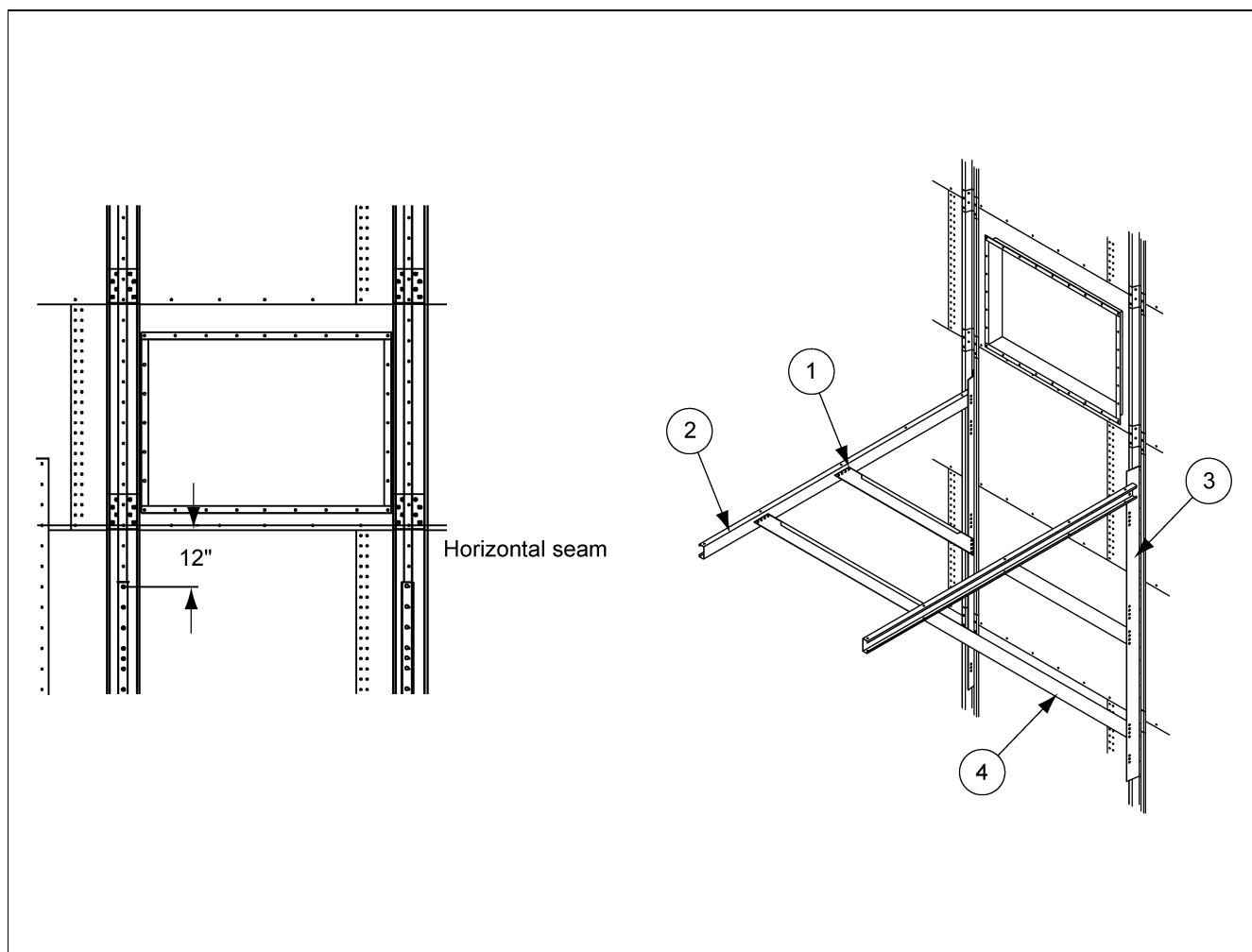
## Access Door Platform (TDP-5012)



### Access Door Platform (TDP-5012) Parts List

Ref #	Part #	Description	Weight	Qty
1	LS-371	Platform Vertical Angle 42"	11.38	3
2	TDP-5000	Handrail 59"	10.15	2
3	TDP-5002	Handrail 30"	10.15	2
4	TDP-5003	Handrail Brace 36-29/32"	6.34	2
5	TDP-5005	Floor Brace 58-1/2"	26.11	3
6	TDP-5006	Platform Floor 37-7/8"	38.23	2
7	TDP-5007	Support Brace 50-21/32"	15.08	2
8	TDP-5008	Sidewall Brace 58"	19.65	2
9	TDP-5009	Platform Support 43-1/2"	12.95	2
10	TDP-5010	Platform Floor Splice 37-1/2"	6.24	1
11	TDP-5011	Platform Toe Plate 29-3/4"	3.29	1
N/S	TDP-5014	Access Door Package Hardware	5.41	1
13	TDP-5008N	Sidewall Brace 2.66"	16.61	2

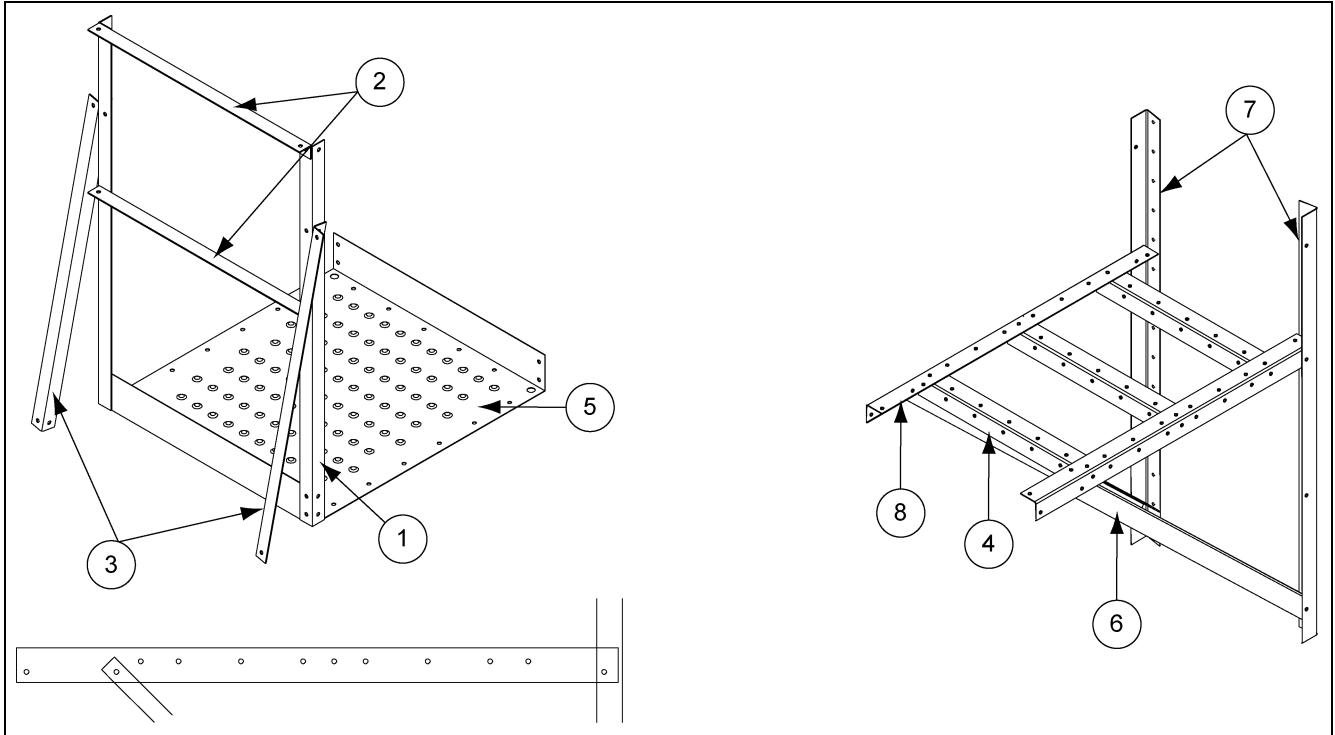
## Large Platform Assembly for 42" Fan



**Large Platform Assembly for 42" Fan Parts List**

Ref #	Part #	Description	Weight	Qty
1	TD-100085	Short Knee Brace 72-9/32"	54.51	2
2	TD-100086	Support Channel 98-3/8"	53.08	2
3	TD-100685	Vertical Support 94"	63.64	2
4	TD-100091	Large Platform Hardware Package	14.35	1

## Cross Over Platform Assembly (for use with stairs) (TDP-5013)

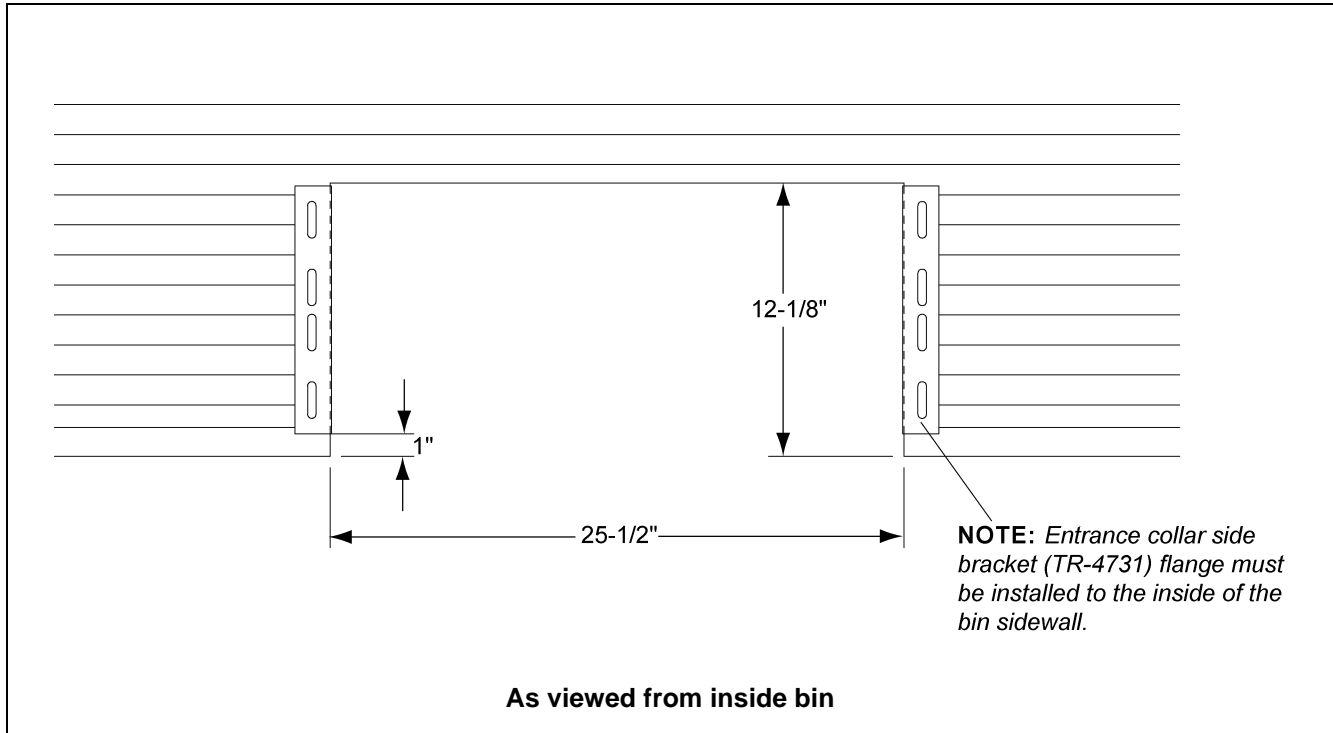


**Cross Over Platform Assembly (for use with stairs)  
(TDP-5013) Parts List**

Ref #	Part #	Description	Weight	Qty
1	LS-371	Platform Vertical Angle	7.59	2
2	TDP-5001	Handrail 27"	4.63	2
3	TDP-5003	Handrail Brace 36-29/32"	6.34	2
4	TDP-5004	Short Floor Brace 26-1/2"	11.85	3
5	TDP-5006	Platform Floor 37-7/8"	19.11	1
6	TDP-5007	Support Brace 50-21/32"	15.08	2
7	TDP-5008	Sidewall Brace 58"	19.65	2
8	TDP-5009	Platform Support 43-1/2"	12.95	2
N/S	TDP-5015	Cross Over Platform Hardware Package	3.95	1



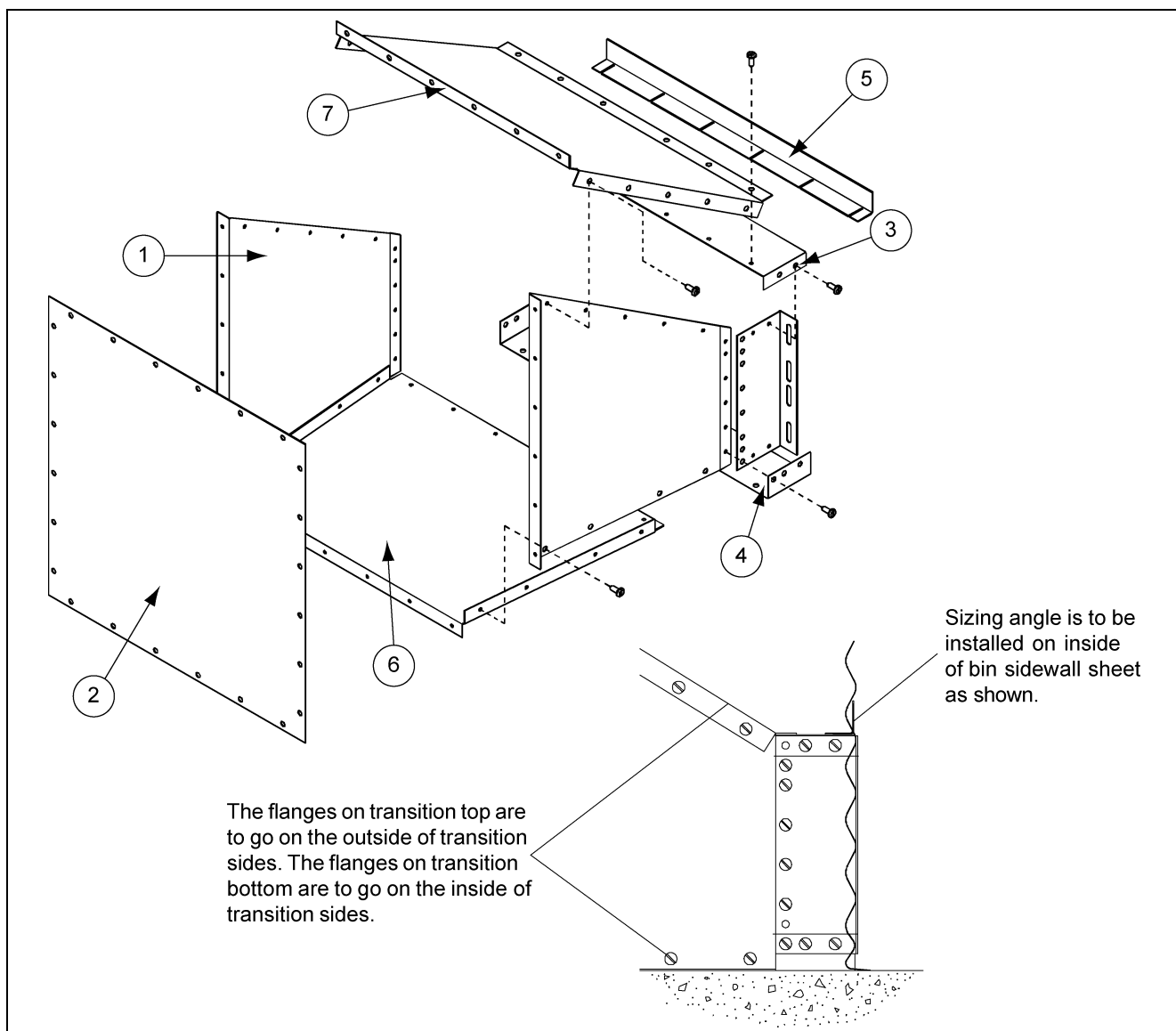
## Transition Installation (TR-4734)



### Transition Installation (TR-4734) Parts List

Part #	Description	Qty
S-275	5/16"-18 x 3/4" Bin Bolt Grade 5	125
S-280	#10-16 x 5/8" Self-drilling Screw	10
S-3651	Tube Caulk - Gray Butyl #506-15	1
S-396	5/16"-18 Hex Nut Grade 2	125
S-7264	Spec Neoprene Seal Strip w/ ADH	10'

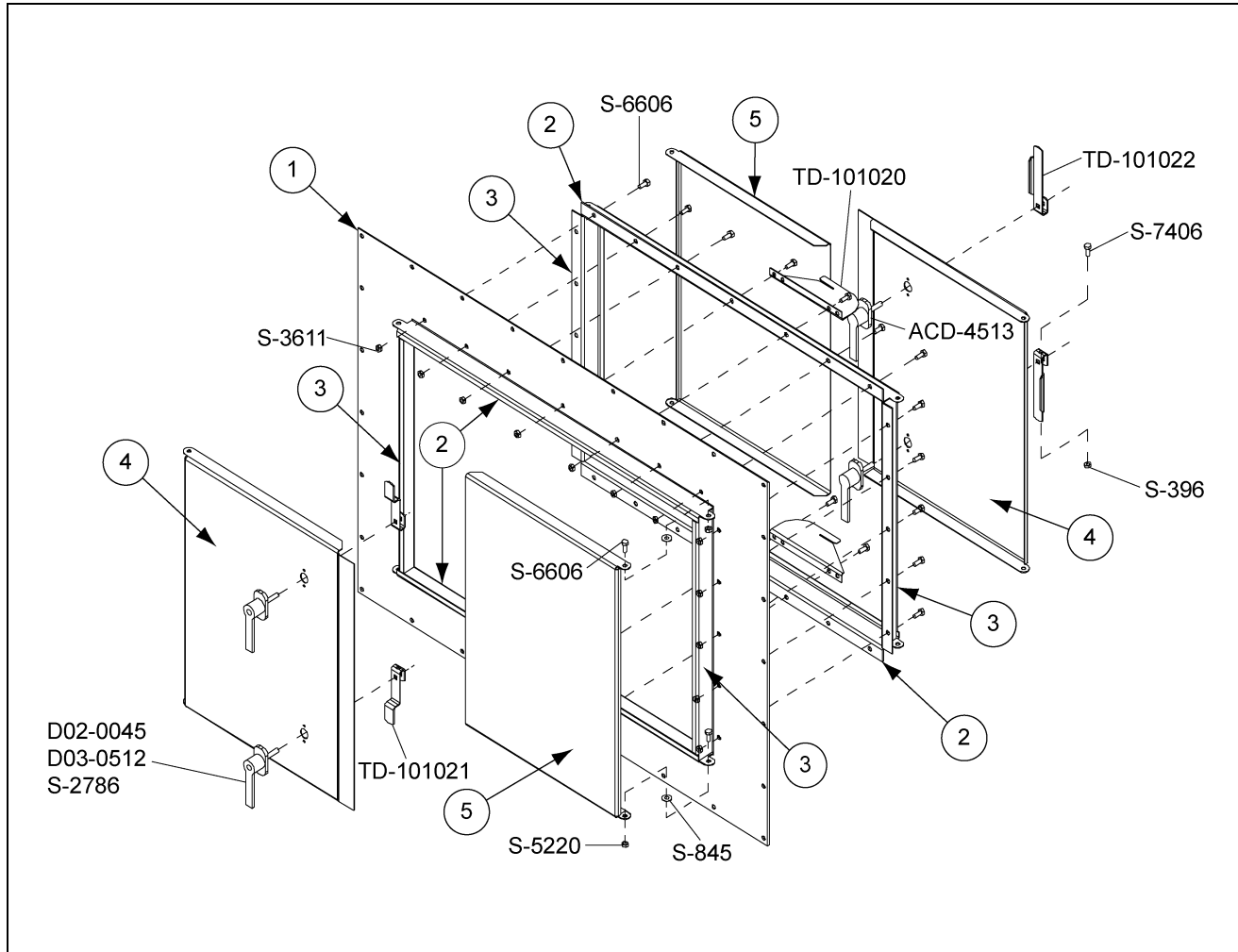
## Transition Assembly (TR-4734)



### Transition Assembly (TR-4734) Parts List

Ref #	Part #	Description
1	TR-4724-1	Transition Side
1	TR-4724-2	Transition Side
2	TR-4767	Transition Faceplate
3	TR-4726	Top Entrance Collar Piece
4	TR-4727	Bottom Entrance Collar
5	TR-4728	Sizing Angle
6	TR-4729	Transition Bottom
7	TR-4730	Transition Top
8	TR-4731	Entrance Collar Side Bracket

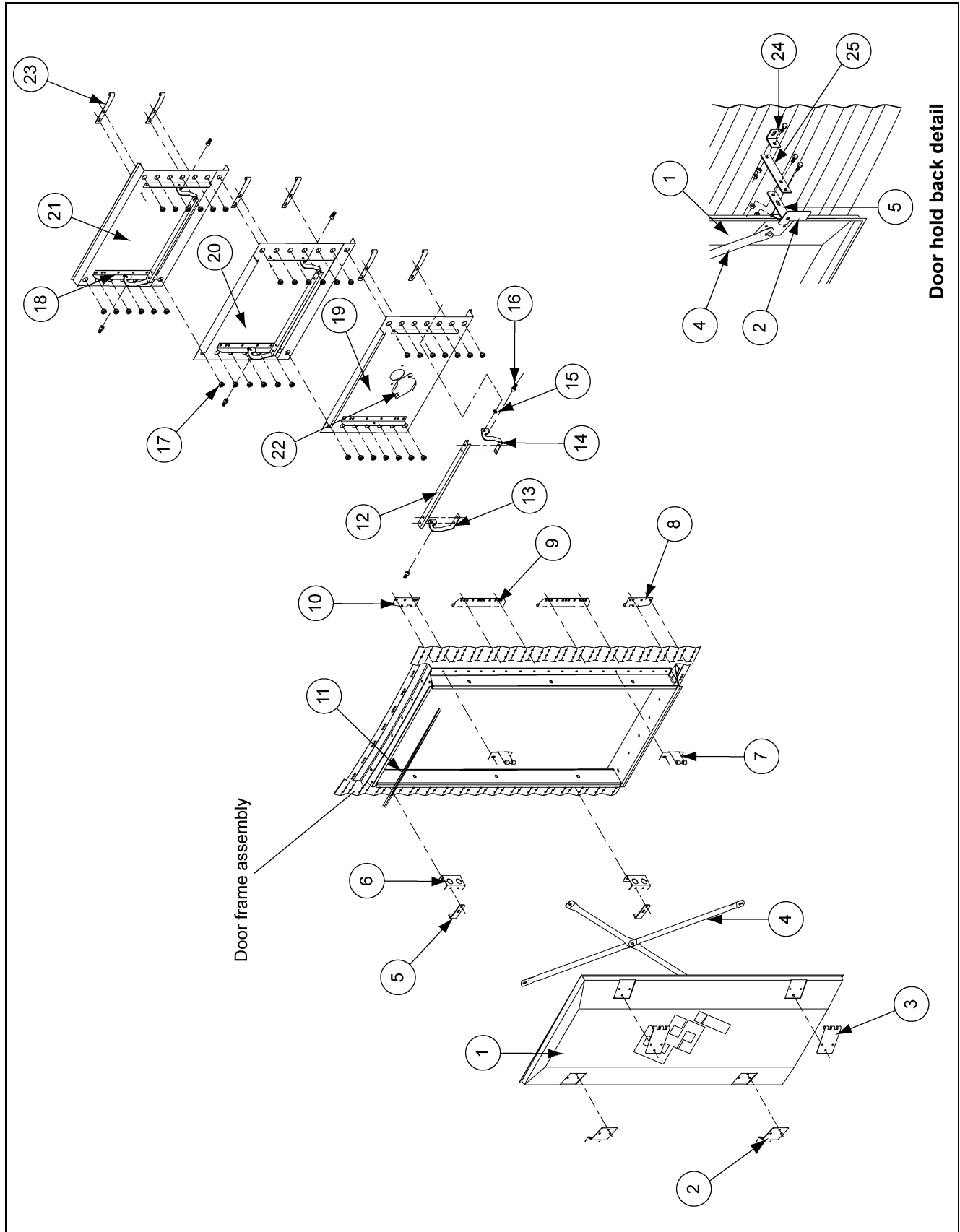
## Top Dry Access Door Assembly (TD-100996)



### Top Dry Access Door Assembly (TD-100996) Parts List

Ref #	Part #	Description	Qty
1	TD-100990	Access Door Plate	1
2	TD-100991	Access Top/Bottom Z-Frames	4
3	TD-100992	Access Door Side Z-Frames	4
4	TD-100993	Top Access Door	2
5	TD-100994	Inside Access Door	2
x	TD-101020	Rear Door Catches	2
x	TD-101021	Outside Door Latches	2
x	TD-101022	Inside Door Latches	2
x	D03-0512	Lockable Handle	2
x	D02-0045	Gasket for Lockable Handle	2
x	ACD-4513	Access Door Handle w/ Gasket	2

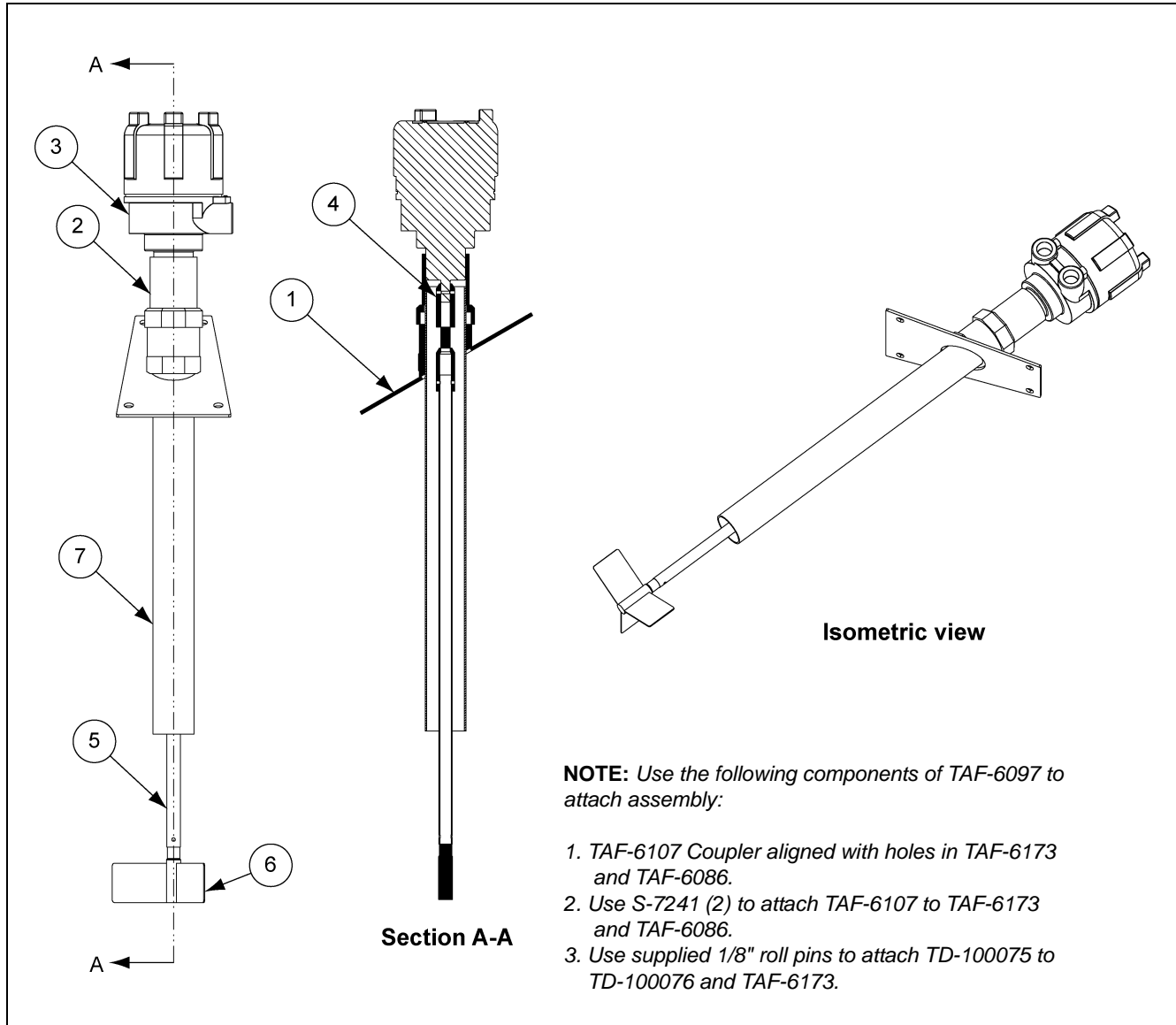
## 2 Ring Door Assembly



## 2 Ring Door Assembly Parts List

Ref #	Part #		Description	Qty	
	12'-27' Bin Diameter	30'-60' Bin Diameter		12'-27' Bin Diameter	30'-60' Bin Diameter
	4.00" Corrugation	4.00" Corrugation		12'-27' Bin Diameter	30'-60' Bin Diameter
1	WD-039	WD-039	Outer Door Cover	1	1
2	WD-2854	WD-2854	Outer Cover Latch Bracket	2	2
3	WD-225	WD-225	Outer Cover Hinge Bracket	2	2
4	WD-035	WD-035	Door Cover Brace Section	4	4
5	WD-033	WD-033	Door Retainer	3	3
6	WD-6124	WD-6124	Outer Cover Latch Mount Base	2	2
7	WD-6066	WD-6066	Outer Cover Hinge Base	2	2
8	WD-6055	WD-6055	Bottom Inner Door Hinge	1	1
9	WD-6056	WD-6056	Middle Inner Door Hinge	2	2
10	WD-6054	WD-6054	Top Inner Door Hinge	1	1
11	S-4380	S-4380	Rubber Trim Seal Strip	2-1/4'	2-1/4'
12	WD-6039	WD-6039	Latch Bar	3	3
13	WD-6037	WD-6037	Inner Panel Latch - Right Hand	3	3
14	WD-6038	WD-6038	Inner Panel Latch - Left Hand	3	3
15	S-7160	S-7160	1/2" x 1" Hex Socket Cap Screw	6	6
16	WD-6040	WD-6040	Latch Bushing	6	6
17	WD-6079	WD-6079	Long Bearing Pin	38	38
18	WD-6125	WD-6125	Inner Panel Reinforcing Angle	6	6
19	WD-6128	WD-6128	Bottom Inner Door Panel	1	1
20	WD-6127	WD-6127	Middle Inner Door Panel	1	1
21	WD-6126	WD-6126	Top Inner Door Panel	1	1
22	WD-6028	WD-6028	Bottom Inner Door Port Hole Cover	1	1
23	WD-6053	WD-6053	Inner Door Hinge Strap	6	6
24	WD-1302	WD-1302	Door Hold Back Bracket	1	1
25	WD-6110	WD-6110	Door Hold Back Extension	1	1

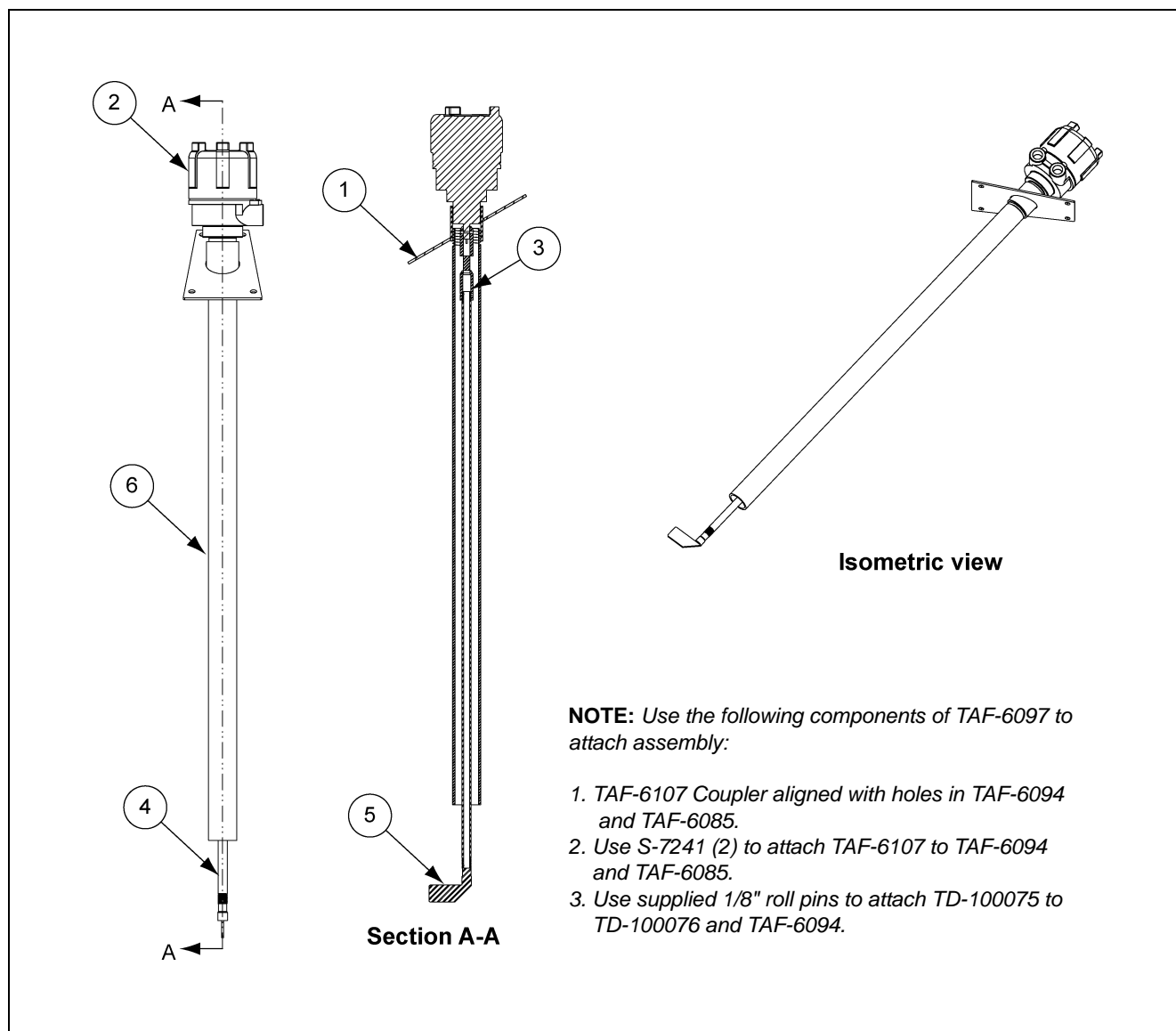
## Rotary Switch Package 18'-24' High-Limit (TAF-6099)



### Rotary Switch Package 18'-24' High-Limit (TAF-6099) Parts List

Ref #	Part #	Description	Qty
1	TD-101107	Top Dry Chamber High-Limit Mount Weldment	1
2	TD-100106	Coupler, 1-1/4" SCH 40 Galvanized	1
3	TD-100076	Switch, Rotary Power Pack	1
4	TD-100075	Coupler, Rotary Switch	1
5	TAF-6173	Rotary Shaft Extension	1
6	TAF-6086	Paddle, Rotary Switch	1
7	TAF-6172	Shaft Guard 21', 24'	1
N/S	TAF-6097	High/Low Limit Rotary Switch Hardware Package	1

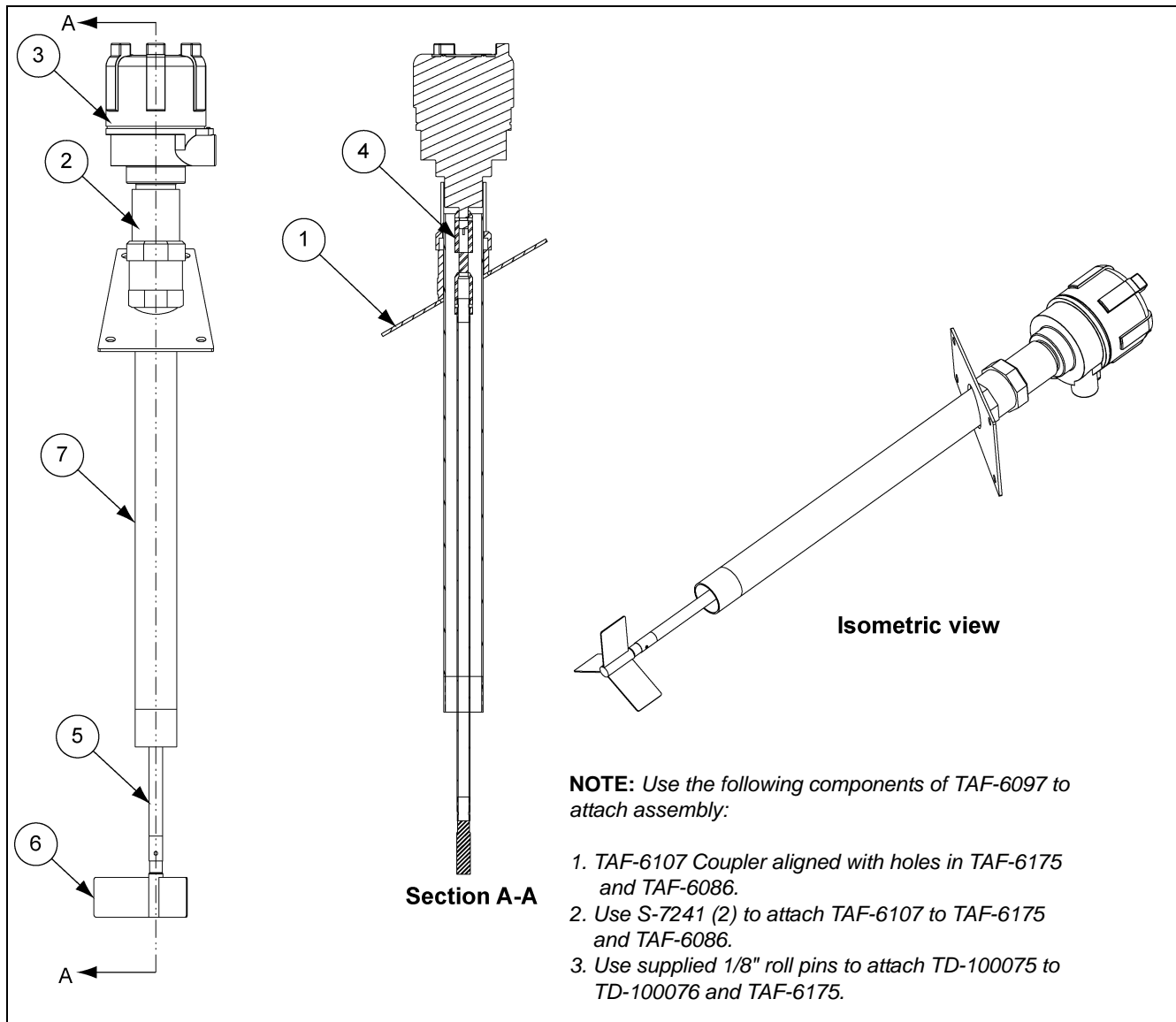
## Rotary Switch Package 18'-36' Low-Limit (TAF-6100)



### Rotary Switch Package 18'-36' Low-Limit (TAF-6100) Parts List

Ref #	Part #	Description	Qty
1	TD-100627	Rotary Switch Roof Mount Weldment	1
2	TD-100076	Switch, Rotary Power Pack	1
3	TD-100075	Coupler, Rotary Switch	1
4	TAF-6094	Rotary Switch Shaft Extension	1
5	TAF-6085	Paddle, Rotary Switch	1
6	TAF-6093	Rotary Switch Shaft Guard	1
N/S	TAF-6097	High/Low Limit Rotary Switch Hardware Package	1

## Rotary Switch Package 27'-30' High-Limit (TAF-6101)

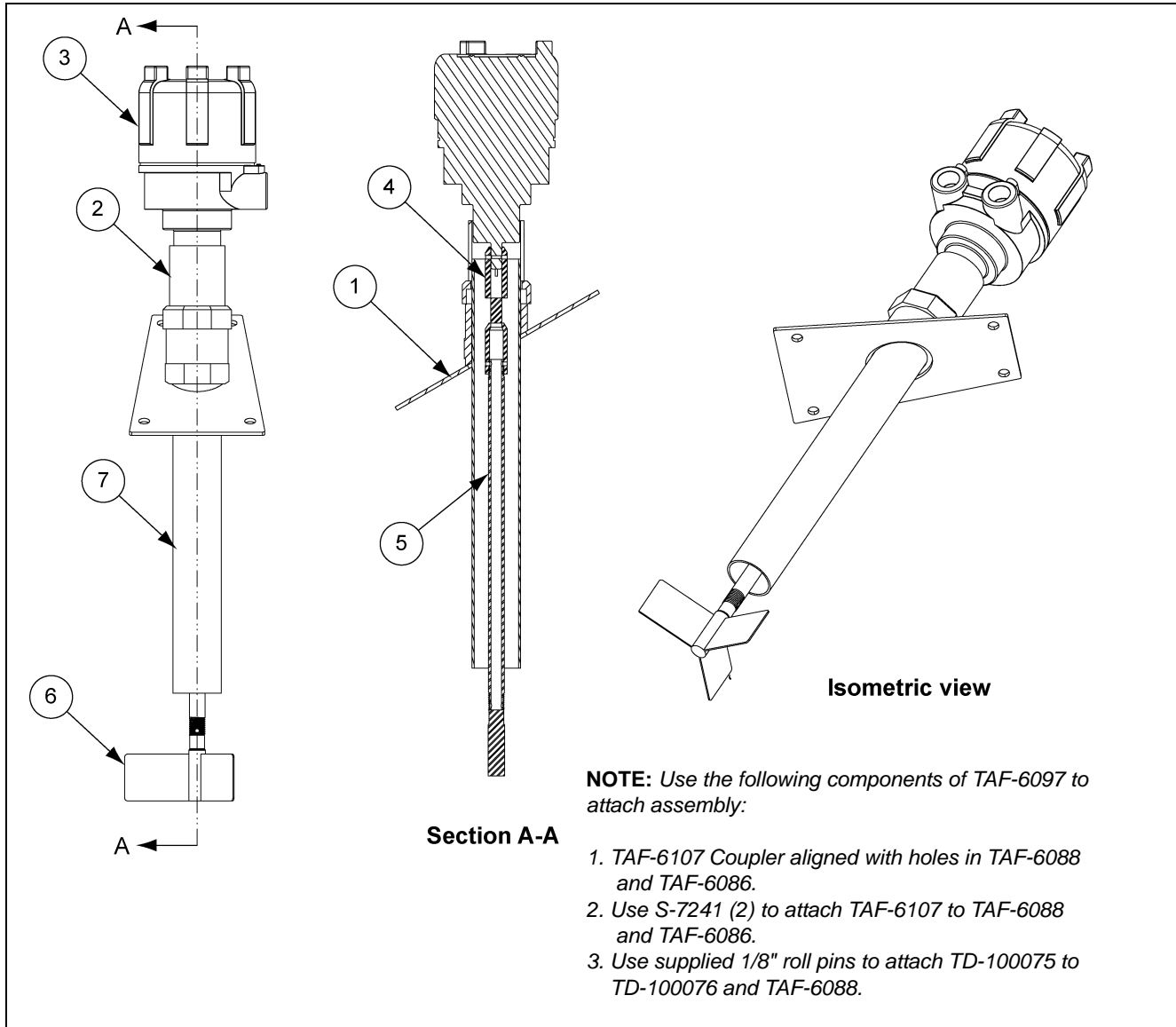


### Rotary Switch Package 27'-30' High-Limit (TAF-6101) Parts List

Ref #	Part #	Description	Qty
1	TD-101107	Top Dry Chamber High-Limit Mount Weldment	1
2	TD-100106	Coupler, 1-1/4" SCH 40 Galvanized	1
3	TD-100076	Switch, Rotary Power Pack	1
4	TD-100075	Coupler, Rotary Switch	1
5	TAF-6175	Rotary Shaft Extension	1
6	TAF-6086	Paddle, Rotary Switch	1
7	TAF-6174	Shaft Guard 30'	1
N/S	TAF-6097	High/Low Limit Rotary Switch Hardware Package	1



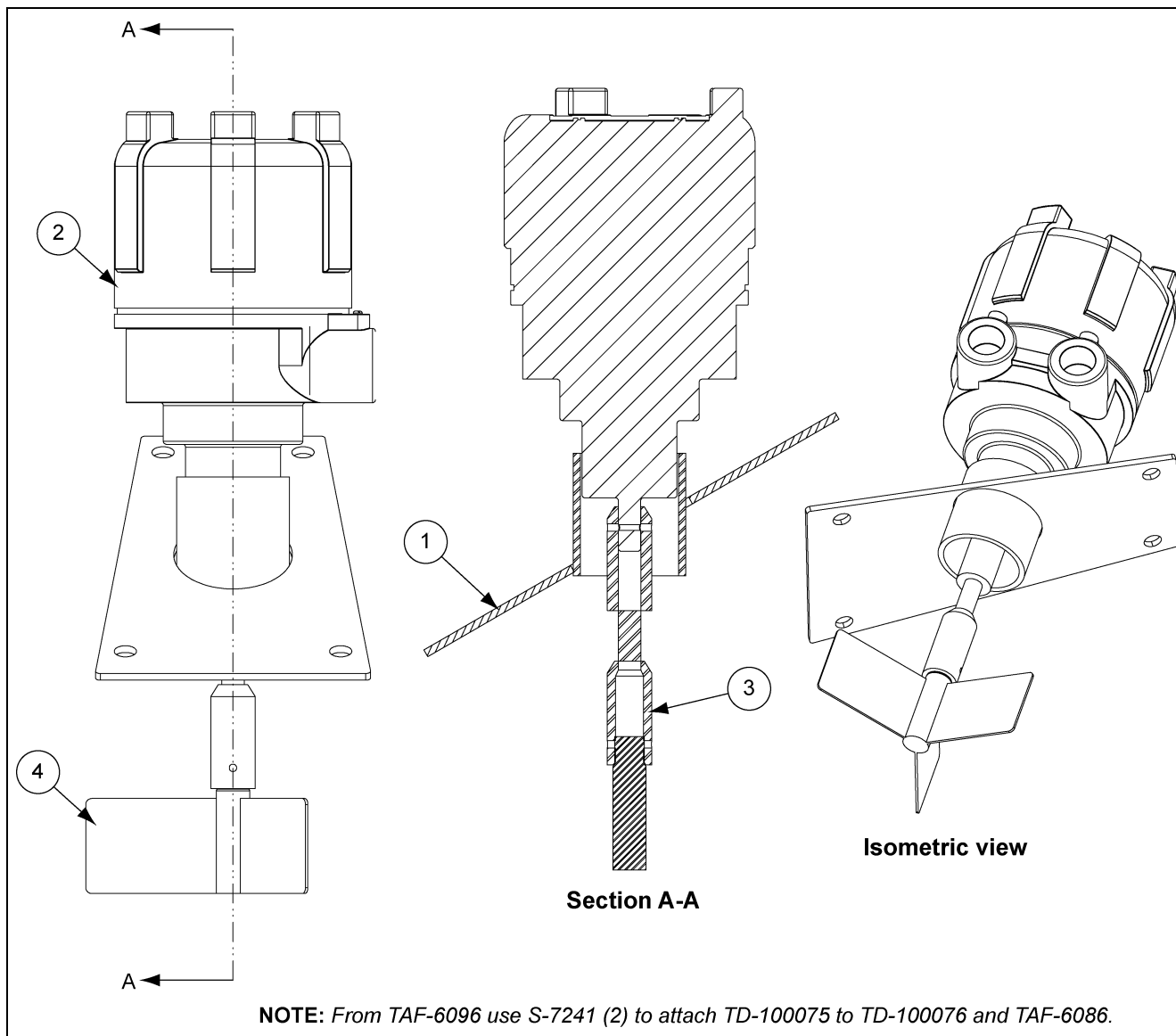
## Rotary Switch Package 36' High-Limit (TAF-6103)



### Rotary Switch Package 36' High-Limit (TAF-6103) Parts List

Ref #	Part #	Description	Qty
1	TD-101107	Top Dry Chamber High-Limit Mount Weldment	1
2	TD-100106	Coupler, 1-1/4" SCH 40 Galvanized	1
3	TD-100076	Switch, Rotary Power Pack	1
4	TD-100075	Coupler, Rotary Switch	1
5	TAF-6088	Rotary Switch Shaft Extension	1
6	TAF-6086	Paddle, Rotary Switch	1
7	TAF-6176	Shaft Guard 36'	1
N/S	TAF-6097	High/Low Limit Rotary Switch Hardware Package	1

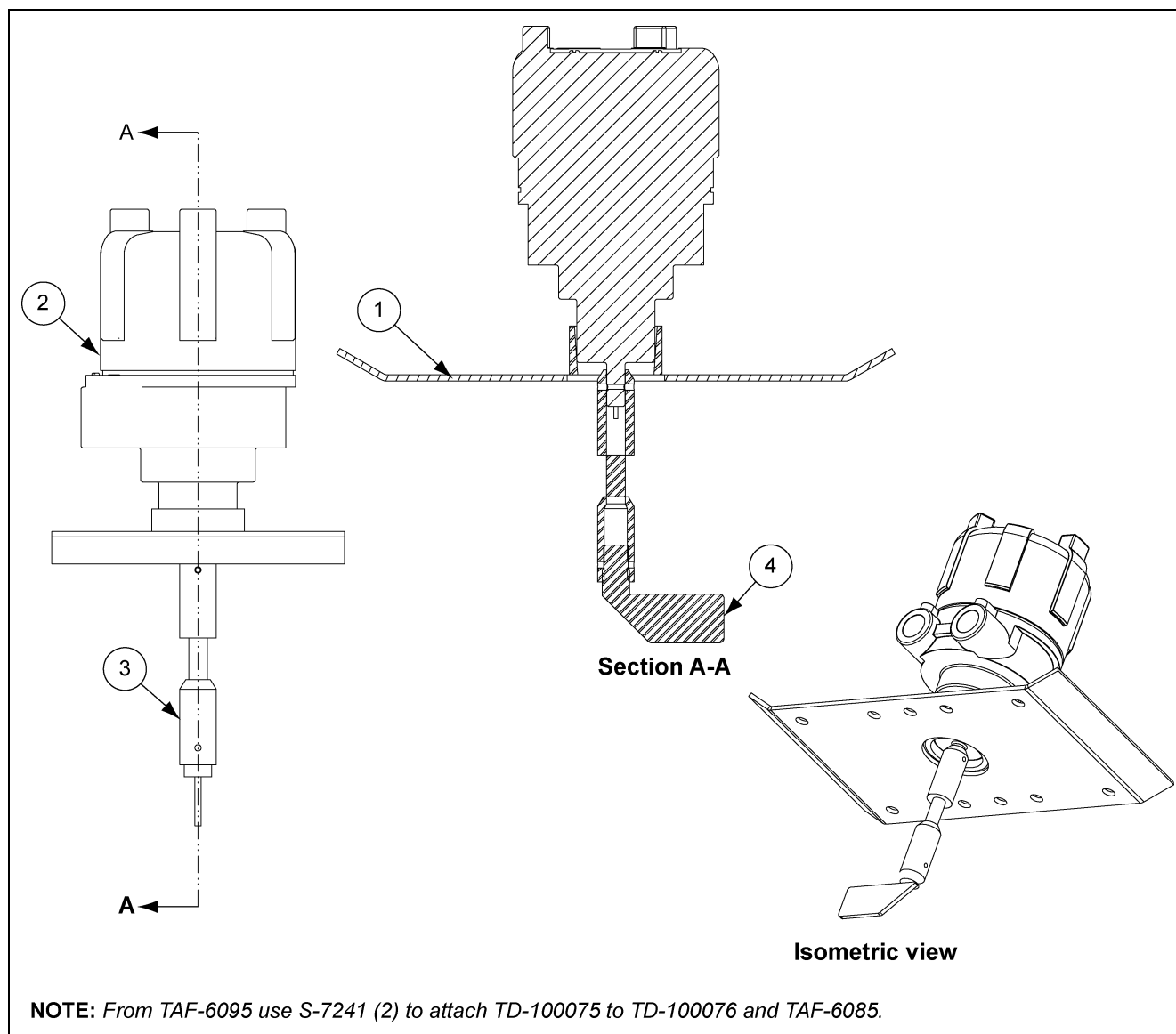
## Drying Chamber Overflow Rotary Switch (TAF-6105)



### Drying Chamber Overflow Rotary Switch (TAF-6105) Parts List

Ref #	Part #	Description	Qty
1	TD-100627	Rotary Switch Roof Mount Weldment	1
2	TD-100076	Switch, Rotary Power Pack	1
3	TD-100075	Coupler, Rotary Switch	1
4	TAF-6086	Paddle, Rotary Switch	1
N/S	TAF-6096	Roof Mount Rotary Switch Hardware Package	1

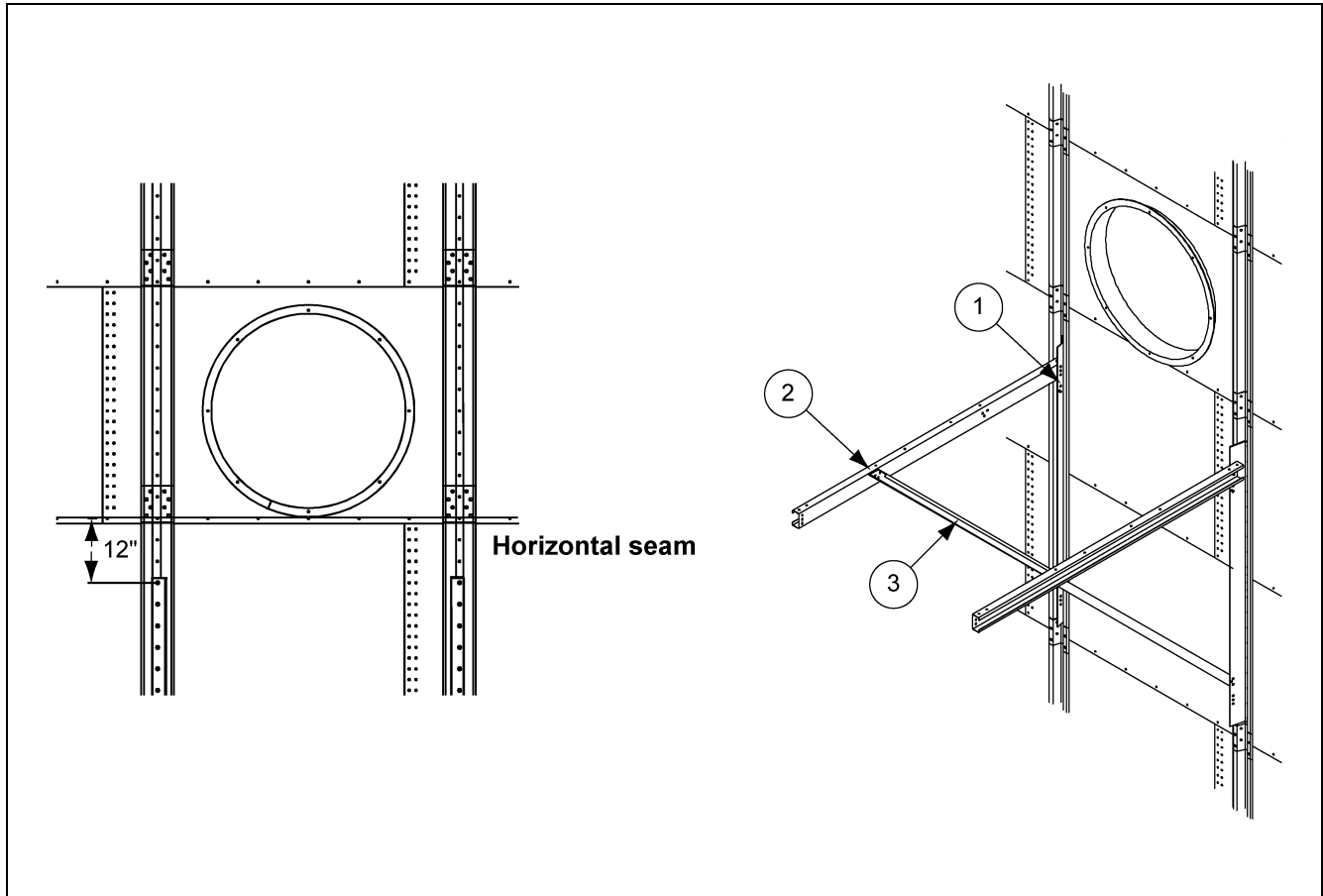
## Wall Mount Rotary Switch Package (TAF-6106)



### Wall Mount Rotary Switch Package (TAF-6106) Parts List

Ref #	Part #	Description	Qty
1	TD-100629	Sidewall Mount Weldment	1
2	TD-100076	Switch, Rotary Power Pack	1
3	TD-100075	Coupler, Rotary Switch	1
4	TAF-6085	Paddle, Rotary Switch	1
N/S	TAF-6095	Wall Mount Rotary Switch Hardware Package	1

## Small Platform Assembly for 36" Fan (TD-100092)



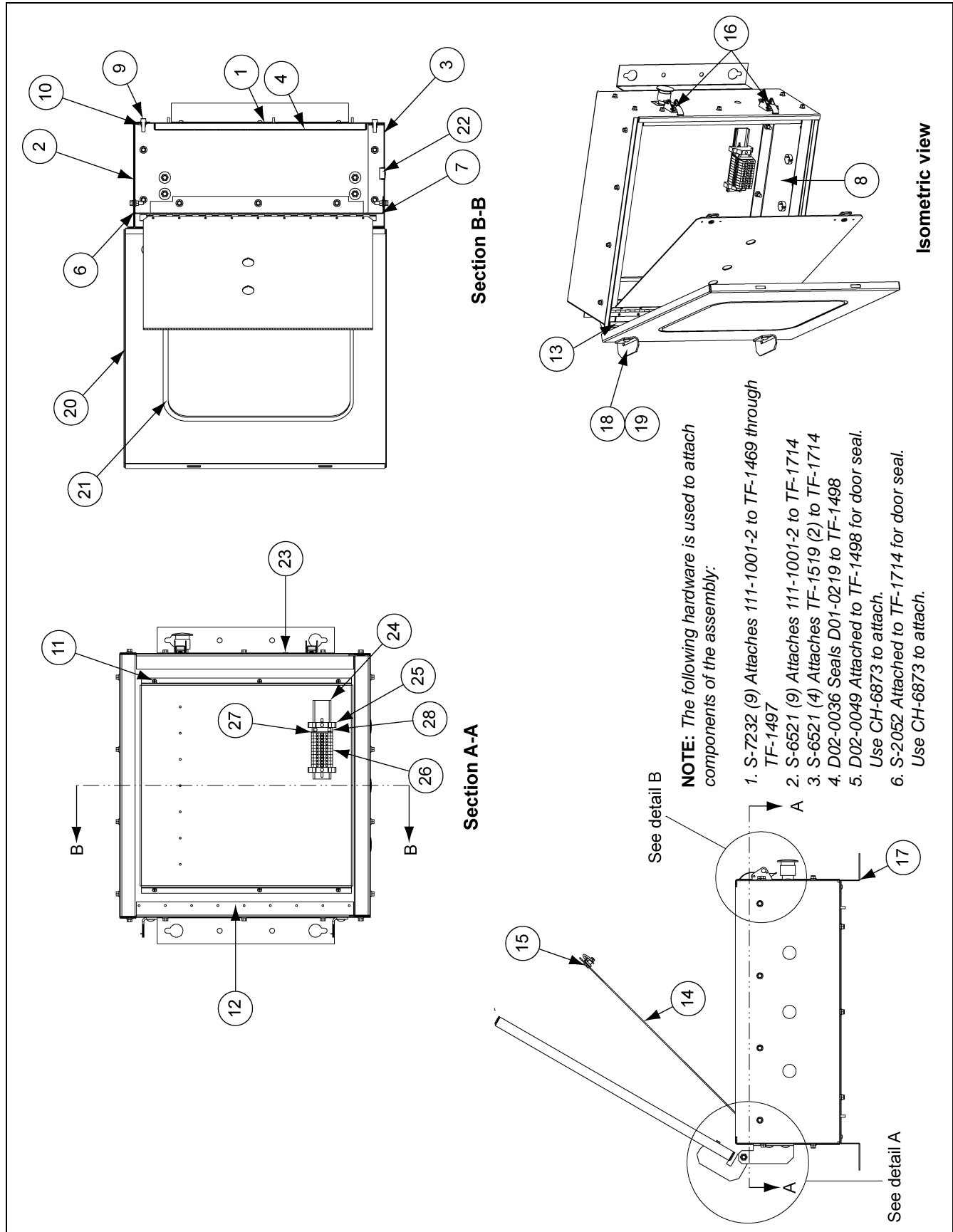
**Small Platform Assembly for 36" Fan (TD-100092) Parts List**

Ref #	Part #	Description	Weight	Qty
1	TD-100686	Vertical Support 70"	43.11	2
2	TD-100083	Support Channel 80-7/8"	32.98	2
3	TD-100084	Knee Brace 83-5/8"	23.67	2

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# NOTES

## Control Box Assembly (TF-1270)



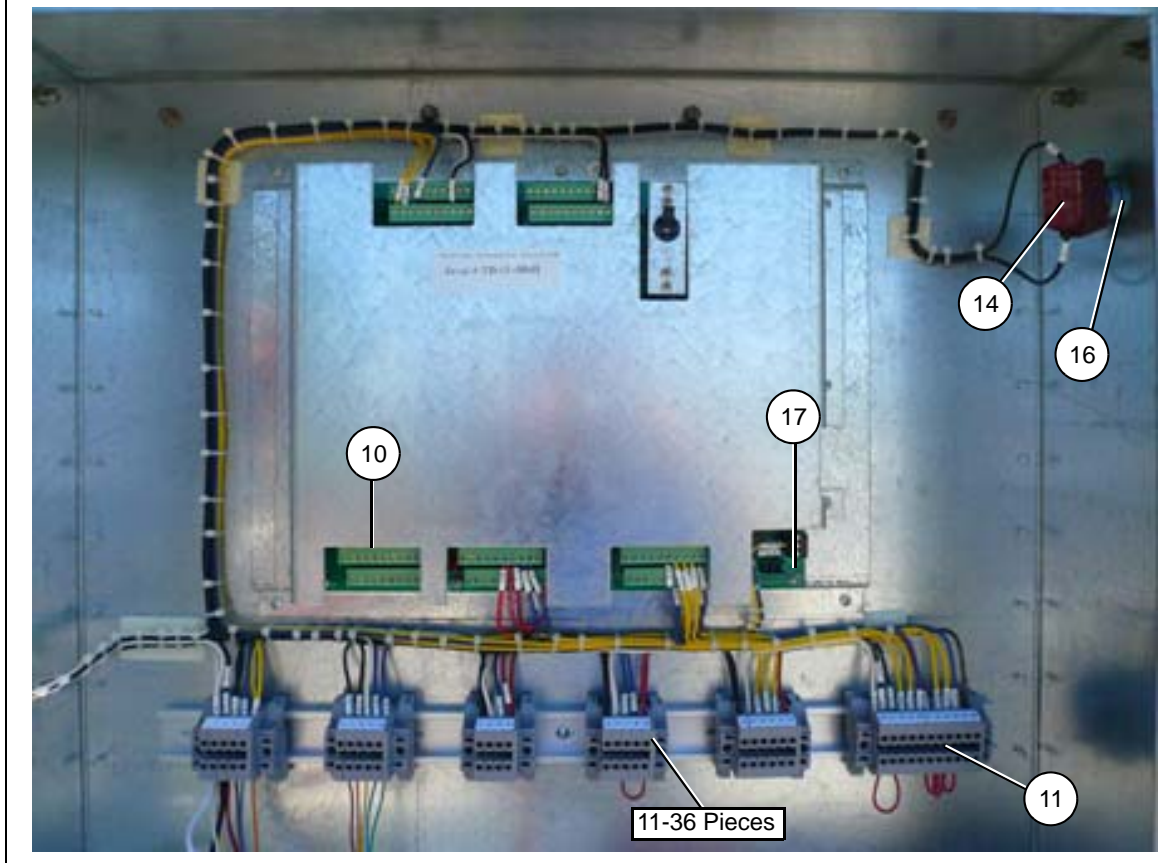
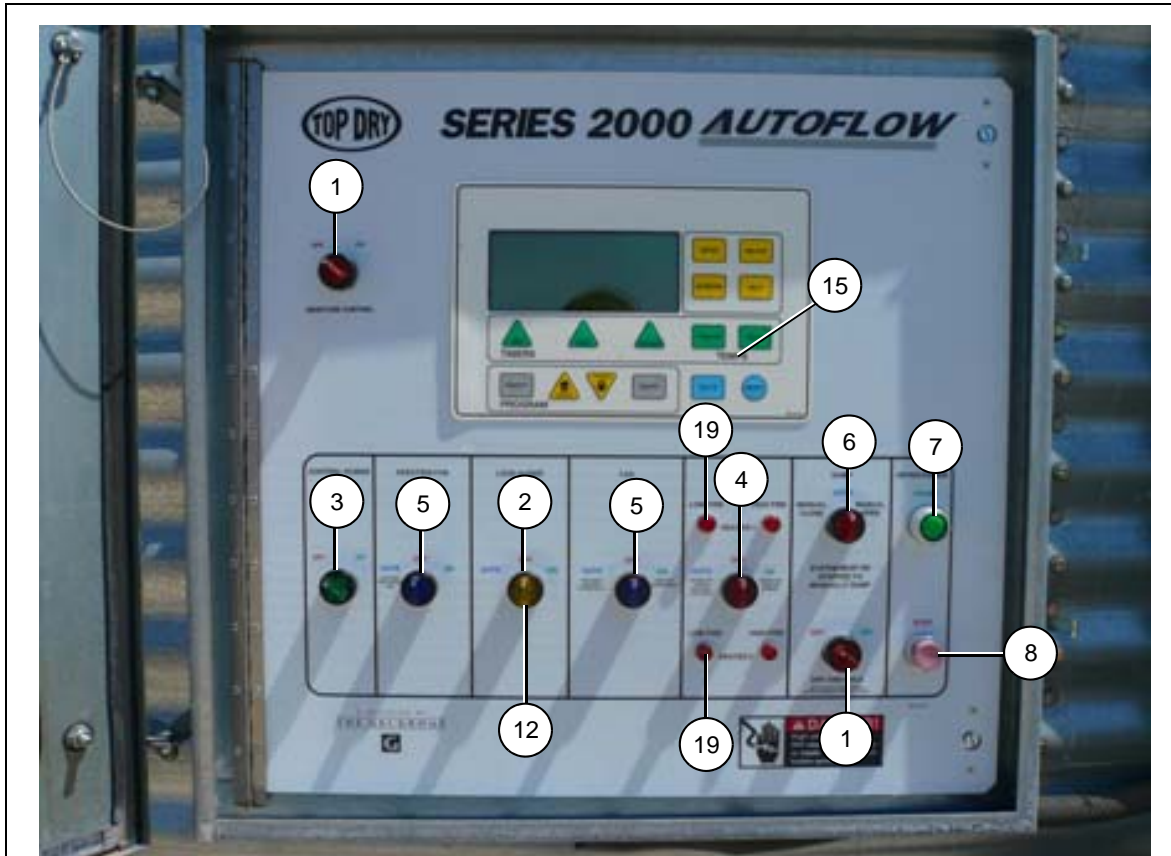
## Control Box Assembly (TF-1270) Parts List

Ref #	Part #	Description	Qty
1	TF-1492	Control Box Body, Top Dry Manual Control Center	1
2	TF-1490	Control Box Top	1
3	TF-1491	Control Box Bottom	1
4	TF-1258	Dummy Panel	1
5	TF-1494	Side Door Stop Angle	1
6	TF-1493	Top Door Stop Angle	1
7	TF-1495	Bottom Door Stop Angle	1
8	TF-1496	Hinge Side Door Stop Angle	1
9	S-8680	Flange Bolt 1/4"-20 x 3/4" ZN Grade 5	28
10	S-7215	Flange Whiz Nut 1/4"-20 ZN	28
11	S-2789	Screw, TCSF #8-32 x 1/2" PHP ZN	18
12	TF-1497	Hinge Body Segment	1
13	111-1001-2_18	Hinge 1-1/6" x 19 Gauge x 72"	1
14	TF-1714	Fill System Control Box Front Panel	1
15	TF-1519	Latch, Southco Slotted	2
16	FH-4429-1	Clasp Assembly	2
17	TF-1257	Box Mounting Bracket	2
18	D01-0509	Hinge Body Segment	2
19	D01-0508	Hinge Door Segment	2
20	TF-1498	Monitor Control Box Door-TDMCC	1
21	D01-0219	Control Box Window	1
22	TFH-2048	Plug 7/8" Diameter Hole	3
23	HH-2833	Plug, 1/2"	1
24	D03-0013	Din Rail x 6" Long	1
25	D01-0533	Terminal, Entrelec End Stop	2
26	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	11
27	D01-0532	Terminal, Blank End Protector Grey Fem 6	1
28	D63-0013	Block, Contact N.C. G.E. (Use D63-0013AB for Allen-bradley)	1
N/S	S-7232	Rivet, POE 1/8" Diameter x 0.650" Long SRSM 0.438-0.500	9
N/S	S-6251	Rivet, POE 1/8" Diameter x 0.375" Long ARSM 0.188-0.250	13
N/S	D02-0036	Strip, Weather Window	5'
N/S	D02-0049	Seal, 1/4" Thick x 3/4" Width	6'
N/S	S-2052	Strip, Foam 1/8" Thick x 1/2" Wide Weather in Rolls 75' per Roll	6'

## Door Hardware Parts List

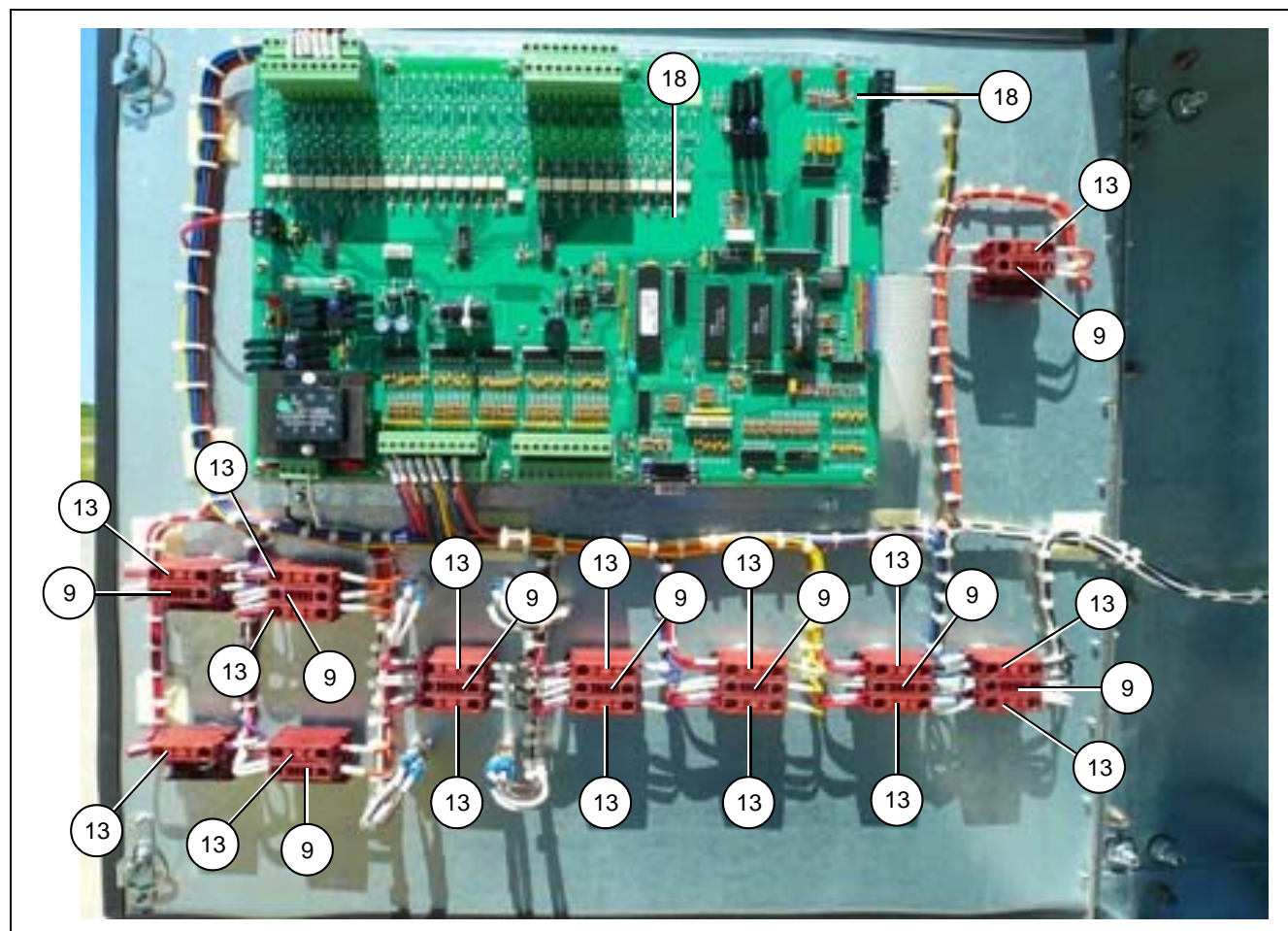
Ref #	Part #	Description	Qty
N/S	S-3550	Carriage Bolt 5/16"-18 x 1" ZN Grade 5	6
N/S	S-1463	Washer EPDM 5/16" Steel Backed	6
N/S	S-7382	Nylock Nut 5/16"-18 ZN Grade 5	8
N/S	S-4275	Bolt, HHTB 5/16"-18 x 3/4" ZN Grade 5	2

## Control Box Parts





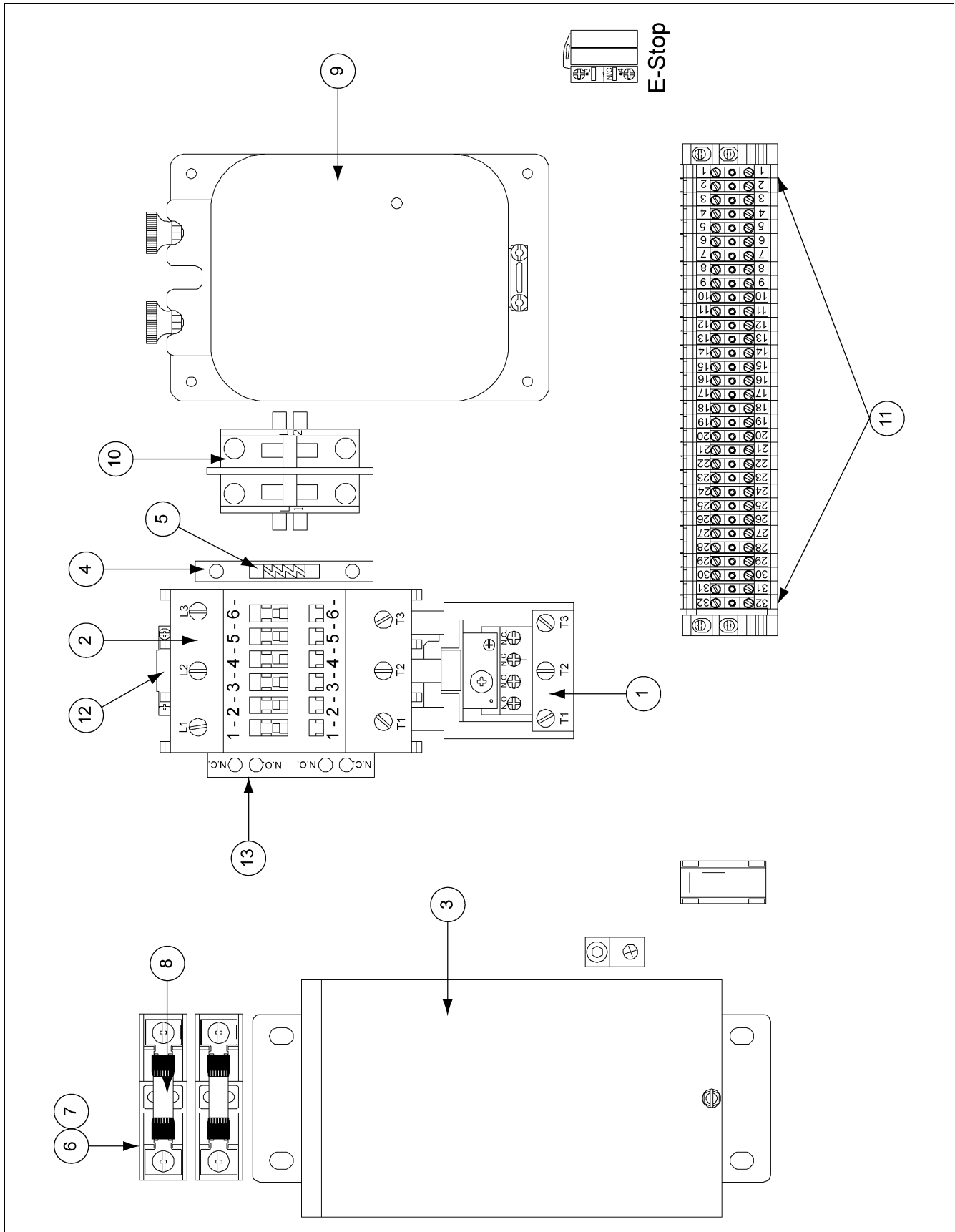
## Control Box Parts (Continued)



**Series 2K Top Dry Control Panel Parts List**

Ref #	Part #	Description	Qty
1	D01-0444	Switch, 2 Position Selector Amber 080SMLDA GE	2
2	D01-0445	Switch, 3 Position Selector Amber 080SMLBA GE	1
3	D01-0446	Switch, 2 Position Selector Green 080SMLDV GE	1
4	D01-0447	Switch, 3 Position Selector Red 080SMLBR	1
5	D01-0449	Switch, 3 Position Selector Blue 080SMLBBL GE	2
6	D01-0579	Switch, 3 Position Selector Yellow 080SMLBG GE	1
7	D03-0017	Switch, Start N.O. (Illuminated) P9CPLVGD GE	1
8	D03-0020	Switch, Stop Block (Red) P9CPNRS GE	1
9	D01-0455	Lamp, Block Light 12/24/120V GE #090ADV for Use with Selector Switch	1
10	D01-0460	Terminal, Strip 10 Position Computer BDS EBY#EB1558A-10 or Equiv. CSA	18
11	D01-0531	Terminal, Block Entelec 4 mm 22-10 AWG	36
12	D03-0682	Lamp, 120 VAC Replaces Both 120V and 12V Bulbs	9
13	D63-0006	Block, Contact N.O. G.E. (Use D63-0006AB for Allen-bradley)	16
14	D63-0013	Block, Contact N.C. G.E. (Use D63-0013AB for Allen-bradley)	1
15	TAF-6150	Panel, Touch Top Dry Auto - Keypad	1
16	TF-1279	Switch, Emergency Stop Operator 080TER Emergency Stop/2 N.C. GE 230V	1
16	TF-1486	Plate, Emergency Stop Switch 080N2RP009 GE (N/S)	1
17	TF-1862	Top Dry S2000 I/O Board w/ Software	1
18	TF-1863	Top Dry S2000 Display Board w/ Software	1
19	TFH-2021	Lamp, Red Light (No Leads)	4

## Control Box Parts (Continued)



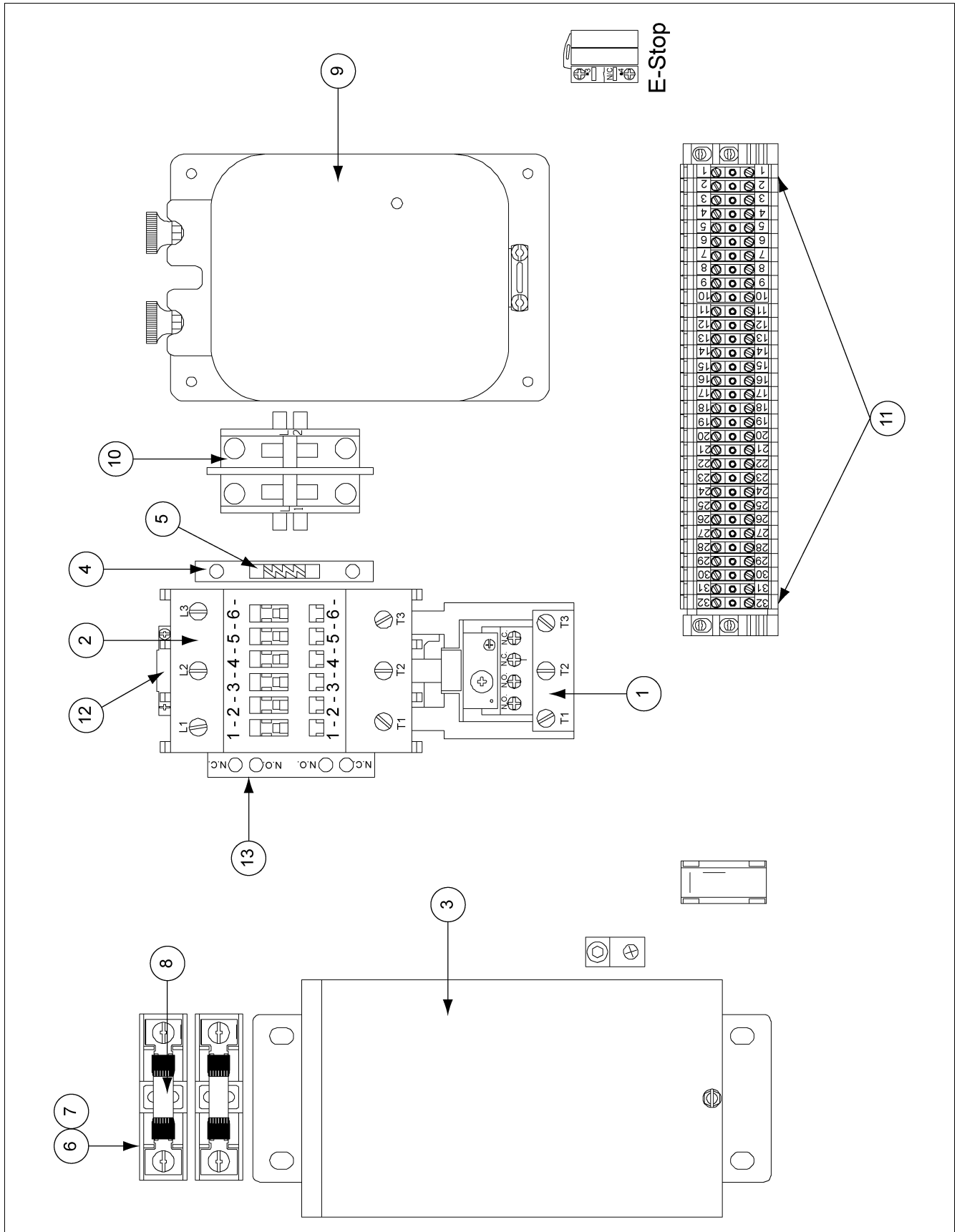
## 36" Fan Control Parts List

Ref #	Part #	Description	Qty				
			EBTF-3615-1	EBTF-3615-3	EBTF-3615-4	EBTF-3615-5	EBTF-3615-6
1	D03-0485	Overload Relay, IEC 64-82A RT22J CLS20	1				
1	D03-0482	Overload Relay, IEC 30-43A RT22E CLS20		1			
1	D03-0477	Overload Relay, IEC 22A CLS20 RT12T Range 17.5-22.0 Amps Repl.			1		
1	D03-0476	Overload Relay, IEC 18A CLS20 RT12S				1	
1	D03-0479	Overload Relay, IEC 32A CLS20 RT12V					1
2	D03-0497	Relay, IEC 3 Pole 80A CL09 #CL09A311MJ	1				
2	D03-0494	Relay, IEC 3 Pole 48A CL06 #CL06A311MJ		1			
2	D03-0491	Relay, IEC 3 Pole 22A CL25 #CL25A310TJ			1		
2	D03-0492	Relay, IEC 3 Pole 32A CL04 #CL04A310MJ				1	1
3	FH-3807	Transformer, 1/2 KVA 240/480 110V	1	1	1		
3	HF-7566	Transformer, 380>575/120-240 0.5 380-460-575V/120-240V 500VA GE#				1	1
4	D03-0559	Fuse Block, Entrelec Entrelec # 199.095.13	1	1	1	1	1
5	FH-1059	Fuse, 5A	1	1	1	1	1
6	D03-0562	Cover, Fuse Block Bussman Sami-7N	2	2	2	2	2
7	D36-0003	Fuse, Block Panel Mount 1 Fuse	2	2	2	2	2
8	D36-0002	Fuse, #FNQ5 500V Slow-Blow Buss #FNQ5 5 Amp Slow-Blow Fuse	2	2	2	2	2
9	HH-1093	Transformer, 2 Pole Ignition	1	1	1		
10	TF-1914	Switch, Start for C-7815 15 HP B Baldor Part, GE Brand, GE# CR453CB2	1				
11	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	33	33	33	33	33

## 40" Fan Control Parts List

Ref #	Part #	Description	Qty				
			EBTF-4015-1	EBTF-4015-3	EBTF-4015-4	EBTF-4015-5	EBTF-4015-6
1	D03-0485	Overload Relay, IEC 64-82A RT22J CLS20	1				
1	D03-0482	Overload Relay, IEC 30-43A RT22E CLS20		1			
1	D03-0477	Overload Relay, IEC 22A CLS20 RT12T Range 17.5-22.0 Amps Repl.			1		
1	D03-0476	Overload Relay, IEC 18A CLS20 RT12S				1	
1	D03-0479	Overload Relay, IEC 32A CLS20 RT12V					1
2	D03-0497	Relay, IEC 3 Pole 80A CL09 #CL09A311MJ	1				
2	D03-0494	Relay, IEC 3 Pole 48A CL06 #CL06A311MJ		1			
2	D03-0491	Relay, IEC 3 Pole 22A CL25 #CL25A310TJ			1		
2	D03-0492	Relay, IEC 3 Pole 32A CL04 #CL04A310MJ				1	1
3	FH-3807	Transformer, 1/2 KVA 240/480 110V	1	1	1		
3	HF-7566	Transformer, 380>575/120-240 0.5 380-460-575V/120-240V 500VA GE#				1	1
4	D03-0559	Fuse Block, Entrelec Entrelec # 199.095.13	1	1	1	1	1
5	FH-1059	Fuse, 5A	1	1	1	1	1
6	D03-0562	Cover, Fuse Block Bussman Sami-7N	2	2	2	2	2
7	D36-0003	Fuse, Block Panel Mount 1 Fuse	2	2	2	2	2
8	D36-0002	Fuse, #FNQ5 500V Slow-Blow Buss #FNQ5 5 Amp Slow-Blow Fuse	2	2	2	2	2
9	HH-1093	Transformer, 2 Pole Ignition	1	1	1		
10	TF-1914	Switch, Start for C-7815 15 HP B Baldor Part, GE Brand, GE# CR453CB2	1				
11	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	33	33	33	33	33

## Control Box Parts (Continued)



## 4230 Fan Control Parts List

Ref #	Part #	Description	Qty				
			EBTF-4230-2	EBTF-4230-3	EBTF-4230-4	EBTF-4230-5	EBTF-4015-6
1	D03-0486	Overload Relay, IEC 97A CLS20 RT22L	1				
1	D03-0485	Overload Relay, IEC 64-82A RT22J CLS20		1			
1	D03-0482	Overload Relay, IEC 30-43A RT22E CLS20			1		
1	D03-0481	Overload Relay, IEC 32A CLS20 RT22D				1	
1	D03-0483	Overload Relay, IEC 42-55A RT22G CLS20 03/30/01					1
2	D03-0498	Relay, IEC 3 Pole 96A CL10 #CL10A311MJ	1				
2	D03-0497	Relay, IEC 3 Pole 80A CL09 #CL09A311MJ		1			
2	D03-0494	Relay, IEC 3 Pole 48A CL06 #CL06A311MJ			1	1	
2	D03-0495	Relay, IEC 3 Pole 62A CL07 CL07A311MJ					1
3	FH-3807	Transformer, 1/2 KVA 240/480 110V	1	1	1		
3	HF-7566	Transformer, 380>575/120-240 0.5 380-460-575V/120-240V 500VA GE#				1	1
4	D03-0559	Fuse Block, Entrelec Entrelec # 199.095.13	1	1	1	1	1
5	FH-1059	Fuse, 5A	1	1	1	1	1
6	D03-0562	Cover, Fuse Block Bussman Sami-7N	2	2	2	2	2
7	D36-0003	Fuse, Block Panel Mount 1 Fuse	2	2	2	2	2
8	D36-0002	Fuse, #FNQ5 500V Slow-Blow Buss #FNQ5 5 Amp Slow-Blow Fuse	2	2	2	2	2
9	HH-1093	Transformer, 2 Pole Ignition	1	1	1		
11	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	33	33	33	33	33

## 4240 Fan Control Parts List

Ref #	Part #	Description	Qty			
			EBTF-4240-3	EBTF-4240-4	EBTF-4230-5	EBTF-4015-6
1	056-2276-6	Overload Relay, 90-150A ADJ IEC	1			
1	D03-0483	Overload Relay, IEC 42-55A RT22G CLS20 03/30/01		1		
1	D03-0482	Overload Relay, IEC 30-43A RT22E CLS20			1	
1	D03-0484	Overload Relay, IEC 65A CLS20 RT22H			1	
2	D03-0495	Relay, IEC 3 Pole 62A CL07 CL07A311MJ		1		
2	D03-0496	Relay, IEC 3 Pole 68A CL08 #CL08A311MJ				1
N/S	056-2072-9	Lug, for 150A Contactor	1			
3	FH-3807	Transformer, 1/2 KVA 240/480 110V	1	1		
3	HF-7566	Transformer, 380>575/120-240 0.5 380-460-575V/120-240V 500VA GE#			1	1
4	D03-0559	Fuse Block, Entrelec Entrelec # 199.095.13	1	1	1	1
5	FH-1059	Fuse, 5A	1	1	1	1
6	D03-0562	Cover, Fuse Block Bussman Sami-7N	2	2	2	2
7	D36-0003	Fuse, Block Panel Mount 1 Fuse	2	2	2	2
8	D36-0002	Fuse, #FNQ5 500V Slow-Blow Buss #FNQ5 5 Amp Slow-Blow Fuse	2	2	2	2
9	HH-1093	Transformer, 2 Pole Ignition	1	1	1	
11	D01-0531	Terminal, Block Entrelec 4 mm 22-10 AWG	33	33	33	33
12	056-2275-8	Coil, Contactor 150A 110V IEC Vendor: SQD #LC1-D15000F7	1			
13	056-1951-5	Relay, Aux 1 N.O. 1 N.C. IEC Side	1			

# NOTES

## GSI Group, LLC Limited Warranty

The GSI Group, LLC ("GSI") warrants products which it manufactures to be free of defects in materials and workmanship under normal usage and conditions for a period of 12 months after sale to the original end-user or if a foreign sale, 14 months from arrival at port of discharge, whichever is earlier. The end-user's sole remedy (and GSI's only obligation) is to repair or replace, at GSI's option and expense, products that in GSI's judgment, contain a material defect in materials or workmanship. Expenses incurred by or on behalf of the end-user without prior written authorization from the GSI Warranty Group shall be the sole responsibility of the end-user.

### Warranty Extensions:

The Limited Warranty period is extended for the following products:

	Product	Warranty Period	
<b>AP Fans and Flooring</b>	Performer Series Direct Drive Fan Motor	3 Years	* Warranty prorated from list price: 0 to 3 years - no cost to end-user 3 to 5 years - end-user pays 25% 5 to 7 years - end-user pays 50% 7 to 10 years - end-user pays 75%
	All Fiberglass Housings	Lifetime	
	All Fiberglass Propellers	Lifetime	
<b>Cumberland Feeding/Watering Systems</b>	Feeder System Pan Assemblies	5 Years **	** Warranty prorated from list price: 0 to 3 years - no cost to end-user 3 to 5 years - end-user pays 50%
	Feed Tubes (1-3/4" and 2.00")	10 Years *	
	Centerless Augers	10 Years *	
	Watering Nipples	10 Years *	
<b>Grain Systems</b>	Grain Bin Structural Design	5 Years	† Motors, burner components and moving parts not included. Portable dryer screens included. Tower dryer screens not included.
<b>Grain Systems Farm Fans Zimmerman</b>	Portable and Tower Dryers	2 Years	
	Portable and Tower Dryer Frames and Internal Infrastructure †	5 Years	

GSI further warrants that the portable and tower dryer frame and basket, excluding all auger and auger drive components, shall be free from defects in materials for a period of time beginning on the twelfth (12<sup>th</sup>) month from the date of purchase and continuing until the sixtieth (60<sup>th</sup>) month from the date of purchase (extended warranty period). During the extended warranty period, GSI will replace the frame or basket components that prove to be defective under normal conditions of use without charge, excluding the labor, transportation, and/or shipping costs incurred in the performance of this extended warranty.

### Conditions and Limitations:

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION SET FORTH ABOVE. SPECIFICALLY, GSI MAKES NO FURTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH: (I) PRODUCT MANUFACTURED OR SOLD BY GSI OR (II) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF GSI REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCTS.

GSI shall not be liable for any direct, indirect, incidental or consequential damages, including, without limitation, loss of anticipated profits or benefits. The sole and exclusive remedy is set forth in the Limited Warranty, which shall not exceed the amount paid for the product purchased. This warranty is not transferable and applies only to the original end-user. GSI shall have no obligation or responsibility for any representations or warranties made by or on behalf of any dealer, agent or distributor.

GSI assumes no responsibility for claims resulting from construction defects or unauthorized modifications to products which it manufactured. Modifications to products not specifically delineated in the manual accompanying the equipment at initial sale will void the Limited Warranty.

This Limited Warranty shall not extend to products or parts which have been damaged by negligent use, misuse, alteration, accident or which have been improperly/inadequately maintained. This Limited Warranty extends solely to products manufactured by GSI.

Prior to installation, the end-user has the responsibility to comply with federal, state and local codes which apply to the location and installation of products manufactured or sold by GSI.

This equipment shall be installed in accordance with the current installation codes and applicable regulations which should be carefully followed in all cases. Authorities having jurisdiction should be consulted before installations are made.

G S I G R O U P



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